

Kurdistan Regional Government  
Ministry of Planning  
Kurdistan Region Statistics Office



## Big Size Industrial Establishments Statistics in Kurdistan Region

2018

Industrial Statistics Department

January2020

Kurdistan Regional Government

Ministry of Planning

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## Preface

Industrial sector has a significant role in economic growth and contribution to the gross domestic product (GDP) of countries as a source of generating income and creating job opportunities. For this reason, Kurdistan region statistics office (KRSO) makes its efforts to gather annual statistics on industrial establishments to show industrial condition at the aim of making progress in this sector.

The aim of the industrial establishments survey is to get information on the number of industrial organizations, number of workers, type of product, size of production, raw materials and the source of obtaining raw materials and other intermediate goods and services like water, electricity, oil, gas, gasoline, as well as if the production could meet the needs of market in Kurdistan region. Information on industrial sector is essential for development planning in this sector in Kurdistan region which is also considered as the backbone of economic sector in most countries in the world.

we are all staff who participated in this survey and make the survey a success.

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## Introduction

Industrial sector has an important and effective role in countries' economic development and contribution to gross domestic products (GDP) due to job opportunities it creates. For this reason, jointly with ministry of trade and industry especially general directorate for industrial development within ministry of trade and industry and board of investment, KRSO works to collect detail data on industrial sector through conducting survey on an annual basis. In 2018, in cooperation with ministry of trade and industry/ general directorate for industrial development, KRSO renewed the frame (list) of big industries in Kurdistan region as a start step to conduct survey in a fieldwork to provide indicators on the industry sector and set up economic infrastructure and develop industrial sector in the Kurdistan region (KRI). In KRI, a big industry is recognized by one of the following characteristics: 1) having 30 and more active employees 2) being among government establishment 3) having a large capital regardless the number of active employees like bitumen manufacture industry where the number of workers is less than 30 workers.

Industry surveys are supposed to be conducted on an annual basis, but it was hampered due to economic crisis that struck KRI in 2014. The last big size industry survey was conducted in 2013.

## Abbreviations:

**GDP:** Gross Domestic Product

**KRSO:** Kurdistan Region Statistics Office

**KRI:** Kurdistan Region of Iraq

**ISIC:** International Standard Industrial Classification

**ID:** Iraqi Dinar

## Work Team

### The Survey High Committee

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Suad Baker Faqe

### **Field Team**

Enumerators from Governorates and Garmian Statistics Directorates

## **Objectives**

The aim of this survey is to provide indicators, data and information on industry sector by type of industry, number of big industries, product value, and number of employees at the level of governments in KRI. These data could meet the users' requests especially in the field of GDP and instead of restoring to indirect ways, users could rely on these data to get information on industrial activities and economic changes in the industry sector.

**Big industry:** generally, it refers to industrial establishments, where the number of engaged employees working there is 30 and more

## **Main Indicators**

1. Number of industrial establishments
2. Number of employees
3. Compensations
4. Production value based on selling price
5. Total inputs value (intermediate consumption value)
6. Labour productivity
7. Country currency (ID Dinar) productivity
8. Annual average wages of paid employees

9. Labor productivity to value added

10. Product rate

## Equations

$$\text{Labor Productivity} = \frac{\text{Product Value}}{\text{Number of Employees}}$$

Value Added = Product Value- value of Intermediate Consumption

$$\text{Labor productivity to Value added} = \frac{\text{Value Added}}{\text{Number of Employees}}$$

$$\text{ID Productivity} = \frac{\text{Product Value}}{\text{Compensations (Wages)}}$$

$$\text{Annual Average Compensation} = \frac{\text{Compensations (Wages)}}{\text{Number of Employees}}$$

$$\text{Average Compensation to Intermediate Consumptions} = \frac{\text{Intermediate Consumption Value}}{\text{Number of Employees}}$$

$$\text{Output Percentage Rate} = \frac{\text{Intermediate Consumption Value}}{\text{output value}} * 100$$

$$\text{Difference percentage rate} = \frac{\text{current value (this year value)}}{\text{Previous value (last year value)}} - 1 * 100$$

$$\text{Average Compensation to Intermediate Consumptions} = \frac{\text{Intermediate Consumption Value}}{\text{Number of Employees}}$$

Total Consumption (Input) Value = Raw Material value + packing and wrapping materials value  
+ Other Inputs (Needs)value + Service Needs value

Outputs = Total Products Value

## Methodology

### Updating the Frame of the Survey

Following opening training courses for local supervisor in governorates on 11/11/2018, updating the frame of the survey in KRI started on 12/11/2018 and lasted one month. For this purpose, enumerators visited all functioning industrial establishments, where the number of employees and workers is 30 and more. Medium industrial survey is an all cover survey in which all industrial establishments are surveyed.

Based on the information received from Board of investment and general directorate of industrial development on the number of industrial establishments which had been provided license, and also based on the frame available in KRSO from previous years, a new frame was designed, in which the number of industrial establishments (big and medium) were 981 establishments in KRI. Of these, 911 of establishments were visited that were functioning and the rest were permanently or temporally closed due to different reasons in 2018. Of the total 911 establishments, 119 were big establishments and the number of employees recorded was 15,376 as presented in Figures 1 and 2.

Figure 1: No. of Big Industrial Establishments by the New Frame at the Level of KRI and Governorates in 2018

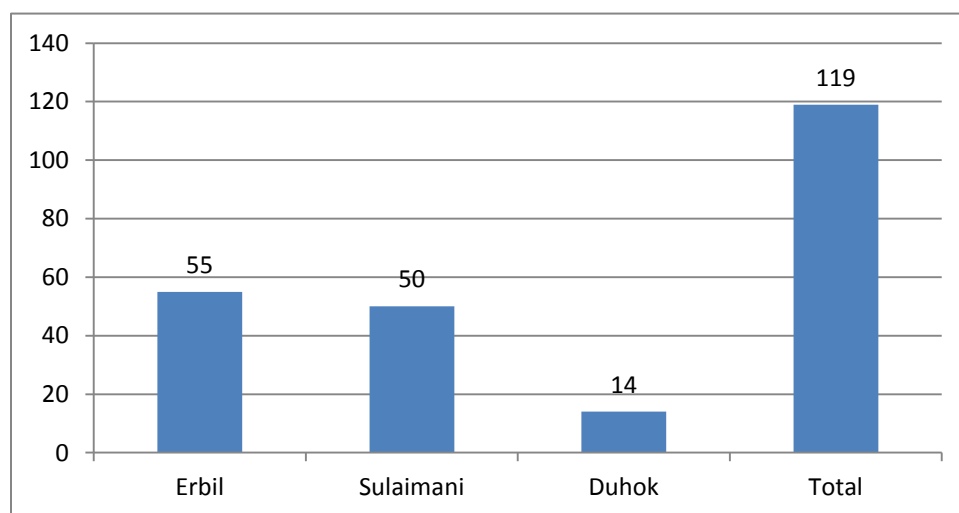
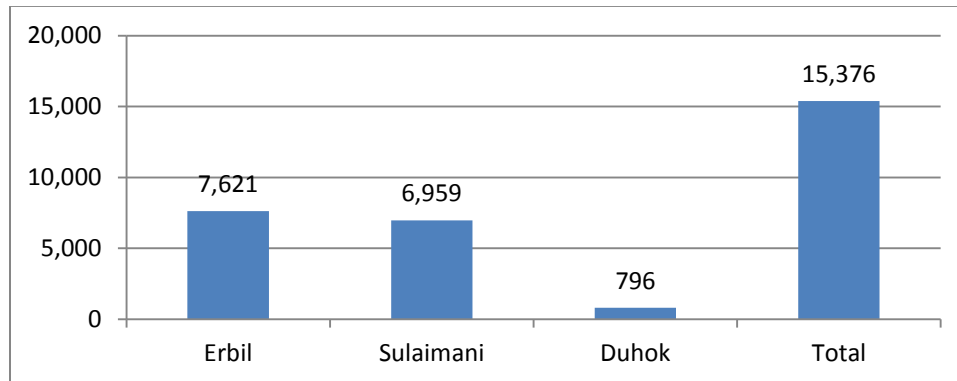


Figure 2: No. of Workers in Big Industrial Establishments by the New Frame at the Level of KRI and Governorates in 2018



## Questionnaire

Questionnaire is an essential tool for data collection in any survey. The questionnaire used in this survey contains 20 tables to collect different information and indicators over industrial establishments.

## Training course

The process of training conducted through the following stages:

1. Opening course for local supervisors on 11/11/2018 for the purpose of updating the frame,
2. A three-day course for supervisors, enumerators, and editors in KRSO on 21/4/2019. The course was conducted by survey supervisor.
3. One-day training course for Supervisors and enumerators on 24/4/2019. The course was conducted by data management and analysis department to train the attendants on how to use tablet in collecting data and send data to analysis department in KRSO.

## Field Work

The field work started on 10/6/2019 to directly collect information from functioning big size industrial establishments. The process of data collecting lasted for two months until 10/8/2019.

The number of enumerators in governorates was as follows:

- Erbil, 5 enumerators, 1 local supervisor, and 1 representative from Erbil industrial development

- Duhok, 3 enumerators, 1 local supervisor, and 1 representative form Duhok industrial development.
- Sulaimani, 10 enumerators, 1 local supervisor, and 1 representative form Sulaimani industrial development.
- Garmiyani administration, 1 enumerator.
- 3 enumerators form KRSO, and a representative from Industrial development directorate visited enumerators in the field,
- 7 editors from governorates.

### **Obstacles faced the survey**

No doubt, conducting any survey has its own problems. Like any other survey, industrial establishments survey is not safe from problems especially during the field work. One of these problems which we can refer to is refusing the interview partially or completely by the owners of the industrial establishments and withholding information even after several visits which delayed the process.

### **Data entry**

Following the field work and editing the questioners, data recording started in governorates. Then the recorded data were sent to the analysis department in KRSO.

### **Data cleaning**

To clear data from the inaccurate records or irrelevant data or identifying incomplete parts or unanswered questions, data cleaning would be done. In the case of missing answers, the local supervisors would be called to complete the missing values. The supervisors were already trained in a workshop in KRSO for these cases.

### **Data analysis**

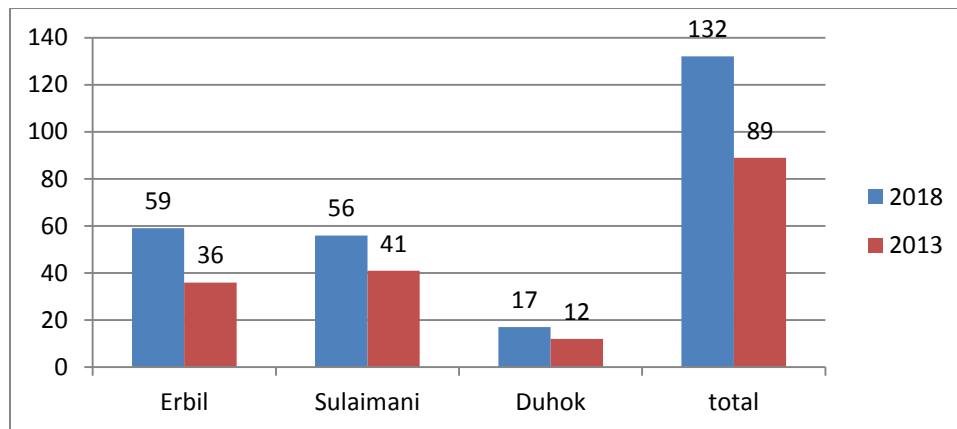
Data analysis was done through SPSS program in analysis department in KRSO following the process of data cleaning.

## Main Results

### Number of Big Size Industrial Establishments

In KRI, in 2018, big size establishments recorded 132 establishments with an increase by 48% comparing to 89 establishments in 2013. Of 132 establishments in 2018, 59 establishments have been recorded in Erbil governorate, 56 in Sulaimani and 17 in Duhok governorate.

Figure 3: No. of Big Industrial Establishments in KRI, Comparison between 2018 and 2013



**Note:** the number of establishments is different between what is recorded in the frame and what is recorded in the interview due to the followings reasons:

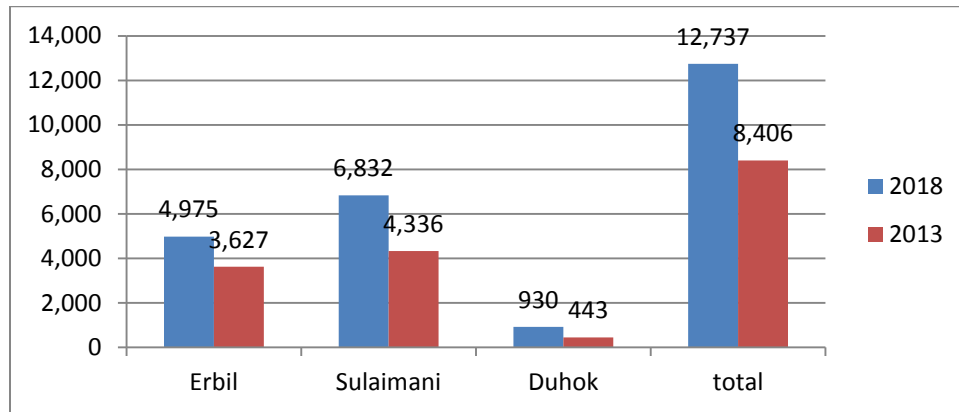
1. Not working a number of the establishments in 2019,
2. Some establishments were not ready to work due to not being completed until 2019,
3. Changing some activities from industrial to non-industrial activities,
4. Changing medium industrial activity to big industry.

### Number of workers

The number of worker has seen a rise in 2018 (12,737) compared to 2013 (8,406) in Big size industrial establishments in KRI, where it shows an increase by 52% due to the increase in the number of establishments. The number of workers is 4,975 in Erbil, 6,832 in Sulaimani and 930 workers in Duhok governorate.



Figure 4: No. of Workers in Big Industrial Establishments in KRI, Comparison between 2018 and 2013

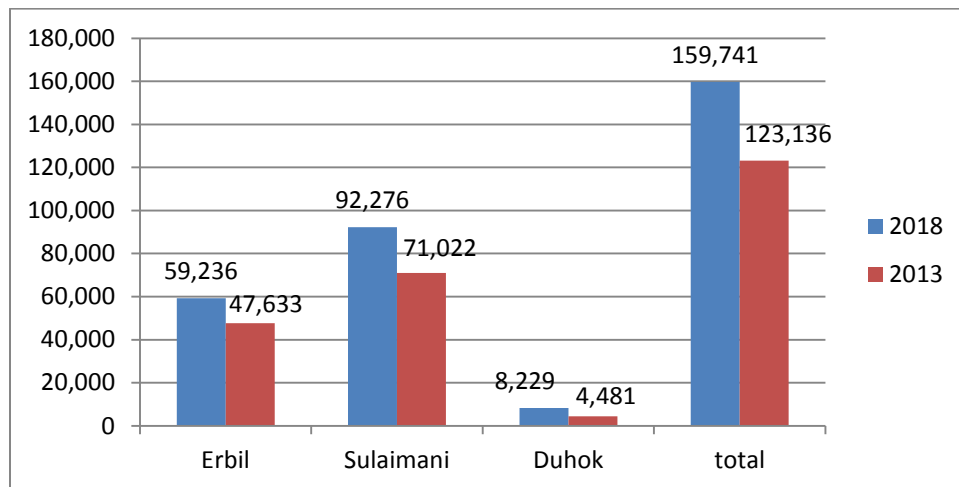


Of 12,737 workers engaged in big size industrial establishments in KRI, 10,107 are Iraqis, 332 are Arabs, and foreigners are 2,298 workers.

### Compensation and wages

The total value of compensation and wages rose to up to 160 billion ID in 2018 compared to up to 132 billion ID in 2013 as presented in Figure 5.

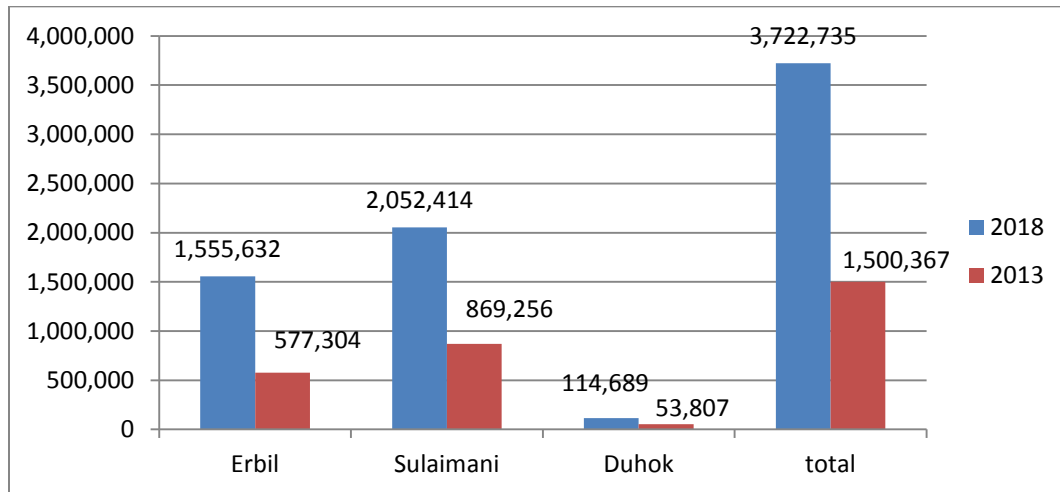
Figure 5: Compensations and Wages in Big industrial Establishments in KRI, Comparison Between 2018 and 2013, Million ID



### Production value based on selling price

Production value on selling price increased to 3 trillion and 722 billion and 735 million ID in 2018 compared to 1 trillion and 500 billion and 367 million ID in 2013, Figure 6.

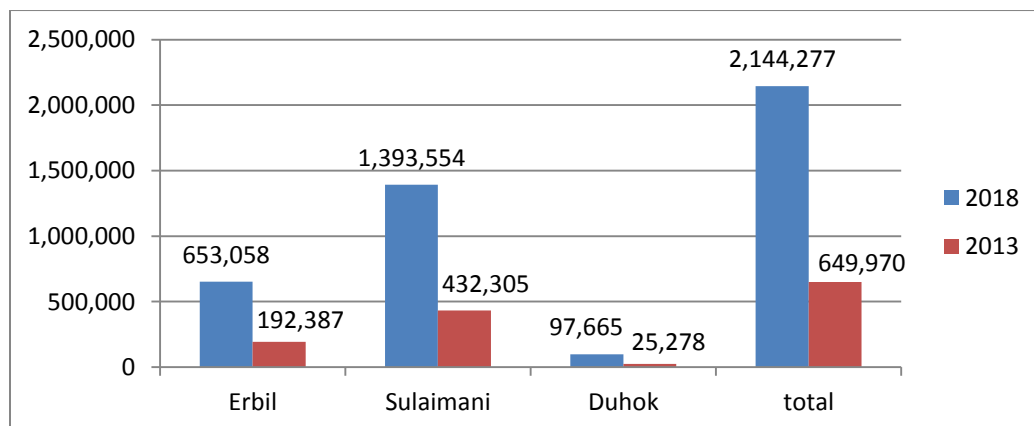
Figure 6: Production value on selling price in Big industrial Establishments in KRI, Comparison between 2018 and 2013, Million ID



### Consumption Value

Consumption in big industrial establishments recorded 2 trillion and 144 billion and 277 million ID in 2018 compared to 649 billion and 970 million ID in 2013, Figure 7.

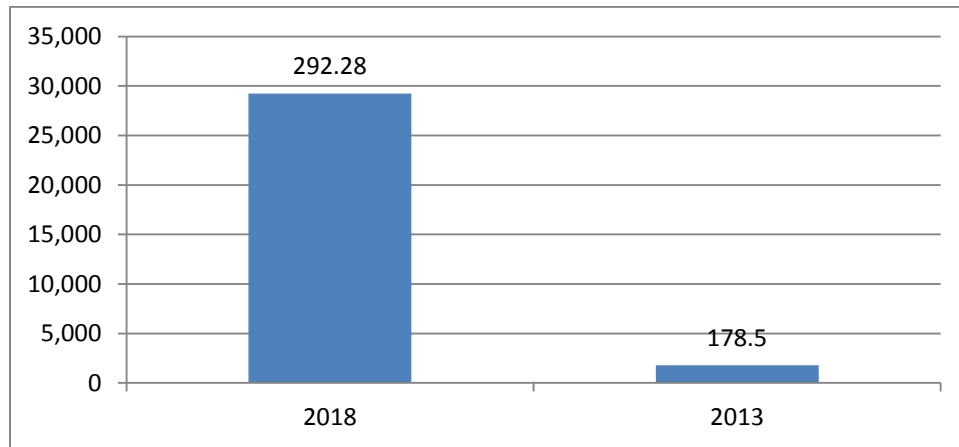
Figure 7: Input value in Big industrial Establishments by Governorates in KRI, Comparison between 2018 and 2013, Million ID



### Labor productivity

Labor productivity with an increase of 64% reached 292 million and 280 thousand ID in 2018 compared to 178 million and 500 thousand ID in 2013, Figure 8.

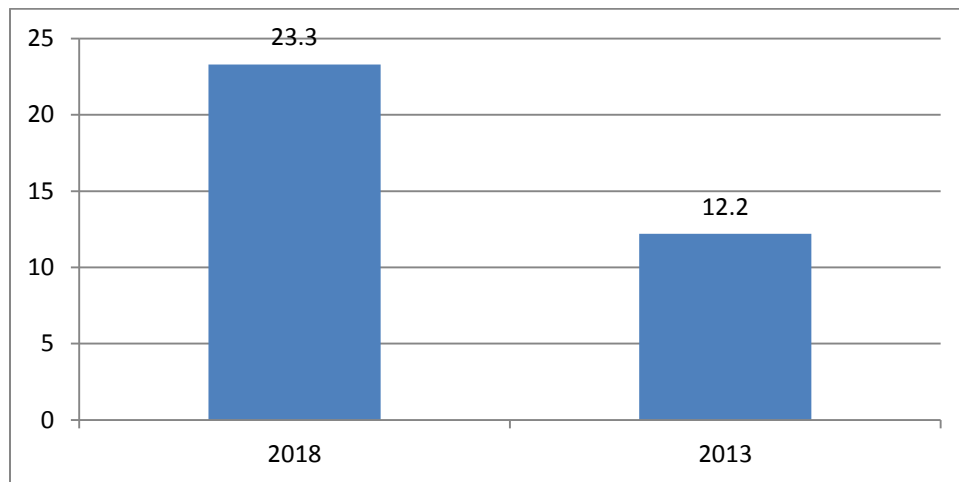
Figure 8: Labor Productivity in Big industrial Establishments in KRI, Comparison between 2018 and 2013, Million ID



### Dinar Productivity to Compensation

Dinar Productivity increased by 91% in 2018 (23.3) compared to 2013 (12.2), Figure 9.

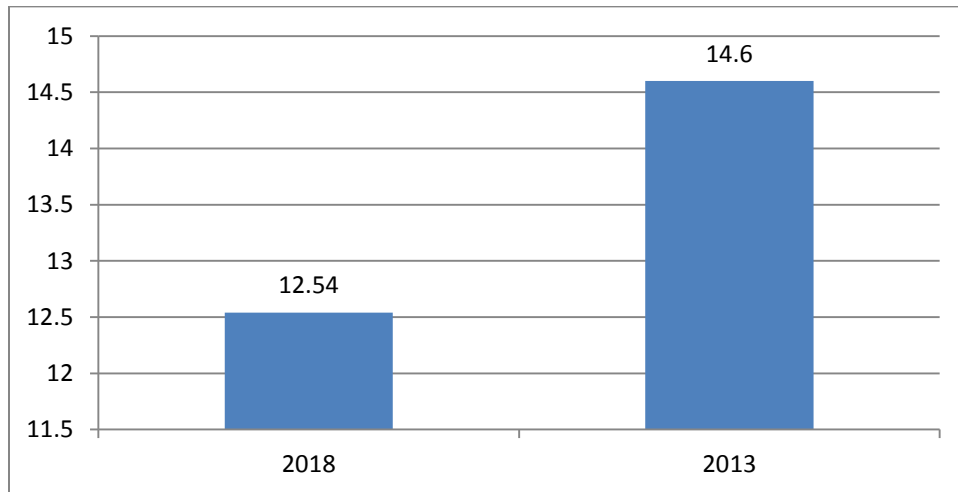
Figure 9: Dinar Productivity in Big Industrial Establishments in KRI, comparison between 2018 and 2013



### Annual Average Compensation

In KRI, annual average compensation in big industrial establishments decreased by 14% in 2018 (12.54 million ID) compared to 2013 (14.6 million ID).

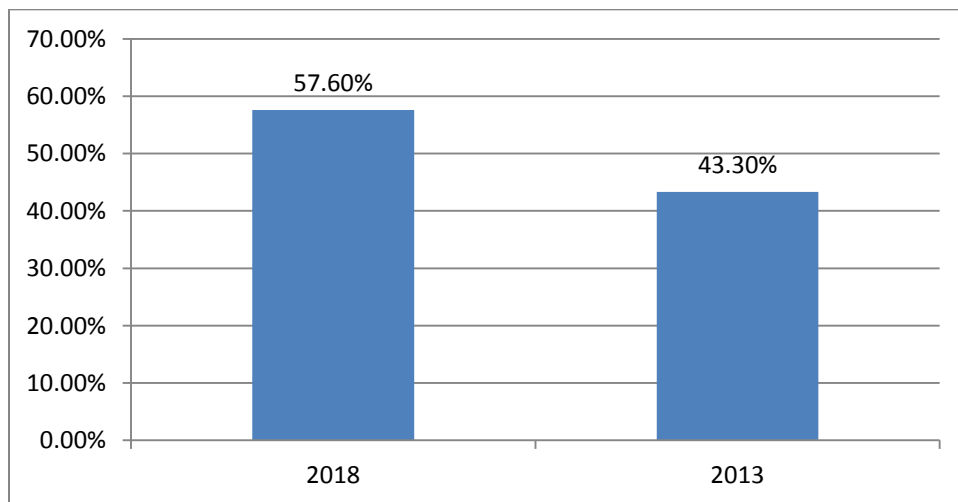
Figure 10: Annual Average Compensation of workers in Big Industrial Establishments in KRI, comparison between 2018 and 2013, Million ID



### Output Percentage Rate

Output percentage rate in big industrial establishment in KRI shows an increase by 33% in 2018 (57.6%) compared to 2013 (43.3%).

Figure 11: Output Percentage Rate in Big Industrial Establishments in KRI, Comparison between 2018 and 2013



## Big Industrial Establishments Statistics in Kurdistan Region, 2018

**Table 1: No. of Big Industrial Establishments and Workers According to the New Frame**

Governorate	Number of Establishments	Number of Paid Workers
Erbil	55	7621
Sulaimani	50	6959
Duhok	14	796
<b>Total</b>	<b>119</b>	<b>15376</b>

**Table 2: Main Results of the Survey of Big Industrial Establishments in KRI, Comparison between 2018 and 2013:**

Governorate	No. of Establishments		Number of Employees		compensation of Employees, Million ID		Production Value on selling price, Million ID		Value of Inputs (Needs), Million ID	
	2013	2018	2013	2018	2013	2018	2013	2018	2013	2018
Erbil	36	59	3,627	4975	47,633	59,235	577,304	1,555,632	192,387	653,059
Sulaimani	41	56	4,336	6832	71,022	92,276	869,256	2,052,414	432,305	1,393,554
Duhok	12	17	443	930	4,481	8,229	53,807	114,689	25,278	97,665
<b>Total</b>	<b>89</b>	<b>132</b>	<b>8,406</b>	<b>12,737</b>	<b>123,361</b>	<b>159,741</b>	<b>1,500,367</b>	<b>3,722,735</b>	<b>649,970</b>	<b>2,144,277</b>

Table 3: Indicators of Big Industrial Establishments in KRI, in 2018

Indicator	2018
Dinar Productivity to compensation	23.30
Labor productivity, million ID	292.28
Average compensation of worker to Intermediate consumption, million ID	168.35
Annual average compensation, million ID	12.54
Labor productivity to value added, million ID	123.93
Product percentage rate %	57.60

Table 4: Products Value in Big Industrial Establishments in KRI, in 2018, Value in Million ID

Indicator	2018
Selling value	3,394,269
value of completed product	3,414,930
Income from providing services to others	7,439
Product Value based on Market Price	3,457,533
Output value based on cost of input	3,455,140

Table 5: Intermediate Consumptions (Inputs) and Services in Big Industrial Establishments in KRI, in 2018, Value in Million ID

Indicator	2018
Raw Material	1,448,073
Packing and Wrapping Material	131,754
Other Goods and Material	394,904
Services	169,546
Total	2,144,277

Table 6: No. of Big Industrial Establishments, No. of Paid Workers and Compensations by Main Activities in KRI, 2018

ISIC Code	Main Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation, 1000 ID
10	Manufacture of food products	36	2,075	19,637,225	3,078,314	22,715,539
11	Manufacture of Beverages	9	747	8,353,952	1,475,236	9,829,188
12	Manufacture of tobacco products	1	62	599,760	26,800	626,560
13	Manufacture of Textiles	4	193	1,038,398	0	1,038,398
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1	85	543,000	98,000	641,000
17	Manufacture of Paper and its products	4	371	4,502,688	1,321,588	5,824,276
18	Manufacture of paper and paper products	4	493	5939745	0	5,939,745
19	Manufacture of coke and refined petroleum products	19	618	6,042,742	852,403	6,895,145
20	Manufacture of chemicals and chemical products	4	340	2,708,100	390,246	3,098,346
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	2	597	6,734,219	1,387,627	8,121,846
22	Manufacture of rubber and plastics products	7	438	3,654,000	528,432	4,182,432
23	Manufacture of other non-metallic mineral products	15	2,866	44,313,325	6,978,142	51,291,467
24	Manufacture of basic metals	16	3,130	28,585,459	4,415,553	33,001,012
25	Manufacture of fabricated metal products, except machinery and equipment	4	234	2,016,360	205,577	2,221,937
27	Manufacture of electrical equipment	2	66	895,920	68,760	964,680
28	Manufacture of machinery and equipment Not elsewhere classified	1	78	659,520	8,720	668,240
31	Manufacture of furniture	3	344	2,383,690	297,195	2,680,885
	Total	132	12,737	138,608,103	21,132,593	159,740,696

Table 7: No. of Big Industrial Establishments, No. of Paid Workers and Compensations by Sub Activities in KRI, 2018

ISIC Code	Sub Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
1010	Processing and Preserving of Meat and its products	2	89	382,860	129,480	512,340
1030	Processing and Preserving of Fruit and Vegetables	1	55	399,600	58,000	457,600
1040	Manufacture of Vegetable and Animal Oil and Fat	2	133	1,506,240	189,860	1,696,100
1050	Manufacture of Dairy Products	11	757	6,286,420	1,781,306	8,067,726
1061	Manufacture of Grain mill and its Production	4	215	2,310,200	205,810	2,516,010
1071	Manufacture of Bakery Products	2	153	796,200	58,398	854,598
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	4	168	1,483,360	124,508	1,607,868
1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products	1	50	177,600	17,100	194,700
1079	Manufacture of other food products Not elsewhere classified	6	289	3,707,745	341,152	4,048,897
1080	Manufacture of prepared animal feeds	3	166	2,587,000	172,700	2,759,700
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	9	747	8,353,952	1,475,236	9,829,188
1200	Manufacture of tobacco products	1	62	599,760	26,800	626,560
1393	Manufacture of carpets and rugs	4	193	1,038,398	-	1,038,398
1622	Manufacture of builders' carpentry and joinery	1	85	543,000	98,000	641,000
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	3	247	2,646,288	677,088	3,323,376
1709	Manufacture of other articles of paper and paperboard	1	124	1,856,400	644,500	2,500,900
1811	Printing	4	493	5,939,745	-	5,939,745
1910	Manufacture of coke oven products	15	430	3,125,830	213,580	3,339,410
1920	Manufacture of refined petroleum products	4	188	2,916,912	638,823	3,555,735
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	4	340	2,708,100	390,246	3,098,346



Continued Table 7

ISIC Code	Sub Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	2	597	6,734,219	1,387,627	8,121,846
2219	Manufacture of other rubber products	4	294	2,505,960	412,632	2,918,592
2220	Manufacture of plastics products	3	144	1,148,040	115,800	1,263,840
2310	Manufacture of glass and glass products	1	52	520,560	50,140	570,700
2392	Manufacture of clay for building materials	1	205	2,013,957	612,618	2,626,575
2394	Manufacture of cement, lime and plaster	6	2,203	37,781,962	5,849,040	43,631,002
2395	Manufacture of articles of concrete, cement and plaster	7	406	3,996,846	466,344	4,463,190
2410	Manufacture of basic iron and steel	13	2,655	21,330,749	3,732,597	25,063,346
2420	Manufacture of basic precious and other non-ferrous metals	2	188	1,705,200	76,400	1,781,600
2432	Casting of non-ferrous metals	1	287	5,549,510	606,556	6,156,066
2511	Manufacture of structural metal products	3	193	1,610,280	190,042	1,800,322
2599	Manufacture of other fabricated metal products not elsewhere classified	1	41	406,080	15,535	421,615
2733	Manufacture of electric wiring devices.	2	66	895,920	68,760	964,680
2819	Manufacture of other general-purpose machinery	1	78	659,520	8,720	668,240
3100	Manufacture of furniture and wood products not classified elsewhere	3	344	2,383,690	297,195	2,680,885
	Total	132	12,737	138,608,103	21,132,593	159,740,696

Table 8: Products Values by Main Industrial Activities in Big Industrial Establishments in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
10	Manufacture of food products	868,629,089	868,641,964	72,875	6,815,100	868,254,706	868,254,706
11	Manufacture of beverages	70,473,292	70,474,402	1,110	378,200	70,478,856	70,478,856
12	Manufacture of tobacco product	3,456,000	3,456,000	0	0	3,456,000	3,456,000
13	Manufacture of textiles	20,040	20,040	0	0	20,040	20,040
16	Manufacture of wood and of products of wood and cork, except furniture	1,280,000	1,280,000	0	0	1,280,000	1,280,000
17	Manufacture of paper and paper products	93,184,780	93,184,780	0	0	92,573,359	92,573,359
18	Printing and reproduction of recorded media	89,490	89,490	0	0	446,827	446,827
19	Manufacture of coke and refined petroleum products	133,008,388	133,008,388	0	0	133,327,504	131,897,504
20	Manufacture of chemicals and chemical products	16,335,800	16,335,800	0	0	15,729,199	15,705,199
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	71,786,953	71,786,953	0	0	71,217,490	71,217,490
22	Manufacture of rubber and plastics products	85,677,537	85,677,537	0	0	85,617,537	85,195,537
23	Manufacture of other non-metallic mineral products	929,796,063	929,796,063	0	0	951,709,306	951,186,779
24	Manufacture of basic metals	691,292,540	711,938,499	20,645,959	0	728,194,777	728,200,537
25	Manufacture of fabricated metal products, except machinery and equipment	19,657,665	19,657,665	0	246,183	19,640,865	19,640,865
27	Manufacture of electrical equipment	385,072,540	385,073,540	1,000	0	385,073,540	385,073,540
28	Manufacture of machinery and equipment Not elsewhere classified	12,293,244	12,293,244	0	0	18,292,680	18,292,680
31	Manufacture of furniture	12,215,850	12,215,850	0	0	12,220,485	12,220,485
	Total	3,394,269,271	3,414,930,215	20,720,944	7,439,483	3,457,533,171	3,455,140,404

Table 9: Products Values by Main Industrial Activities in Big Industrial Establishments in KRI, 2018, Value in 1000 ID

ISIC Code	Sub Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
1010	Processing and Preserving of Meat and its products	1,409,000	1,409,000	0	0	1,409,000	1,409,000
1030	Processing and Preserving of Fruit and Vegetables	4,500,000	4,500,000	0	0	4,500,000	4,500,000
1040	Manufacture of Vegetable and Animal Oil and Fat	369,600,000	369,600,000	0	0	369,600,000	369,600,000
1050	Manufacture Dairy Products	96,025,448	96,037,948	12,500	0	95,977,068	95,977,068
1061	Manufacture of Grain mill and its Production	0	0	0	6,815,100	0	0
1071	Manufacture of Bakery Products	2,170,100	2,170,100	60,000	0	2,170,100	2,170,100
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	7,859,325	7,859,700	375	0	7,876,850	7,876,850
1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products	2,295,000	2,295,000	0	0	2,255,580	2,255,580
1079	Manufacture of other food products Not elsewhere classified	50,510,216	50,510,216	0	0	50,206,108	50,206,108
1080	Manufacture of prepared animal feeds	334,260,000	334,260,000	0	0	334,260,000	334,260,000
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	70,473,292	70,474,402	1,110	378,200	70,478,856	70,478,856
1200	Manufacture of tobacco products	3,456,000	3,456,000	0	0	3,456,000	3,456,000
1393	Manufacture of carpets and rugs	20,040	20,040	0	0	20,040	20,040
1622	Manufacture of builders' carpentry and joinery	1,280,000	1,280,000	0	0	1,280,000	1,280,000
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	79,936,780	79,936,780	0	0	79,308,799	79,308,799
1709	Manufacture of other articles of paper and paperboard	13,248,000	13,248,000	0	0	13,264,560	13,264,560
1811	Printing	89,490	89,490	0	0	446,827	446,827
1910	Manufacture of coke oven products	41,849,764	41,849,764	0	0	41,849,764	41,849,764

Continued Table 9

ISIC Code	Sub Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
1920	Manufacture of refined petroleum products	91,158,624	91,158,624	0	0	91,477,740	90,047,740
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	16,335,800	16,335,800	0	0	15,729,199	15,705,199
2100	Manufacture of tobacco products	71,786,953	71,786,953	0	0	71,217,490	71,217,490
2219	Manufacture of other rubber products	35,306,537	35,306,537	0	0	35,306,537	34,884,537
2220	Manufacture of plastics products	50,371,000	50,371,000	0	0	50,311,000	50,311,000
2310	Manufacture of glass and glass products	5,640,000	5,640,000	0	0	5,456,670	5,456,670
2392	Manufacture of clay for building materials	27,465,406	27,465,406	0	0	49,939,767	49,939,767
2394	Manufacture of cement, lime and plaster	760,005,273	760,005,273	0	0	759,627,485	759,104,958
2395	Manufacture of articles of concrete, cement and plaster	136,685,384	136,685,384	0	0	136,685,384	136,685,384
2410	Manufacture of basic iron and steel	490,289,413	510,935,372	20,645,959	0	527,198,010	527,203,770
2420	Manufacture of basic precious and other non-ferrous metals	8,210,000	8,210,000	0	0	8,203,640	8,203,640
2432	Casting of non-ferrous metals	192,793,127	192,793,127	0	0	192,793,127	192,793,127
2511	Manufacture of structural metal products	8,030,465	8,030,465	0	246,183	8,013,665	8,013,665
2599	Manufacture of other fabricated metal products not elsewhere classified	11,627,200	11,627,200	0	0	11,627,200	11,627,200
2732	Manufacture of other electronic and electric wires and cables	385,072,540	385,073,540	1,000	0	385,073,540	385,073,540
2819	Manufacture of other general-purpose machinery	12,293,244	12,293,244	0	0	18,292,680	18,292,680
3100	Manufacture of furniture and wood products not classified elsewhere	12,215,850	12,215,850	0	0	12,220,485	12,220,485
	Total	3,394,269,271	3,414,930,215	20,720,944	7,439,483	3457533171	3455140404

Table 10: Intermediate Consumptions and Services by Main Activities in Big Industrial Establishments in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
10	Manufacture of food products	262,739,656	39,545,226	15,134,451	8,978,152	326,397,485
11	Manufacture of beverages	26,300,652	37,249,955	3,743,008	10,623,290	77,916,905
12	Manufacture of tobacco products	509,301	897,184	403,885	293,605	2,103,975
13	Manufacture of textiles	13,563	-	29,446	3,140	46,149
16	Manufacture of wood and of products of wood and cork, except furniture	213,168	8,400	112,800	57,800	392,168
17	Manufacture of paper and paper products	67,445,637	1,431,149	2,524,030	4,548,908	75,949,724
18	Printing and reproduction of recorded media	295,974	500	82,588	45,259	424,321
19	Manufacture of coke and refined petroleum products	105,044,819	1,301,030	5,313,578	6,931,239	118,590,666
20	Manufacture of chemicals and chemical products	6,692,090	1,059,228	511,793	2,087,832	10,350,943
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	5,574,954	408,572	4,221,200	10,778,695	20,983,421
22	Manufacture of rubber and plastics products	68,988,607	158,450	2,590,715	888,117	72,625,889
23	Manufacture of other non-metallic mineral products	193,413,046	46,084,930	252,895,502	82,418,937	574,812,415
24	Manufacture of basic metals	301,778,944	714,424	104,748,030	40,562,218	447,803,616
25	Manufacture of fabricated metal products, except machinery and equipment	13,480,168	-	481,859	460,472	14,422,499
27	Manufacture of electrical equipment	373,219,620	820,700	659,040	183,860	374,883,220
28	Manufacture of machinery and equipment	15,024,543	1,977,931	148,600	25,900	17,176,974
31	Manufacture of furniture	7,338,126	96,290	1,303,920	658,790	9,397,126
	Total	1,448,072,868	131,753,969	394,904,445	169,546,214	2,144,277,496

Table 11: Intermediate Consumptions and Services by Main Activities in Big Industrial Establishments in KRI, 2018, Value in 1000 ID

ISIC Code	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
1010	Processing and Preserving of Meat and its products	325,972	224,700	153,820	67,460	771,952
1030	Processing and Preserving of Fruit and Vegetables	1,032,000	82,000	1,403,500	369,700	2,887,200
1040	Manufacture of Vegetable and Animal Oil and Fat	40,795,560	3,231,400	4,142,960	1,212,500	49,382,420
1050	Manufacture of Dairy Products	34,643,590	23,680,354	4,356,480	3,042,328	65,722,752
1061	Manufacture of Grain mill and its Production	-	565,960	1,450,745	677,585	2,694,290
1071	Manufacture of Bakery Products	692,814	42,245	455,310	28,930	1,219,299
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	3,629,270	334,304	603,098	788,260	5,354,932
1074	Manufacture of other food products Not elsewhere classified	1,710,000	230,640	32,295	16,175	1,989,110
1079	Processing and Preserving of Meat and its products	13,047,020	10,702,483	1,276,299	2,404,464	27,430,266
1080	Manufacture of prepared animal feeds	166,863,430	451,140	1,259,944	370,750	168,945,264
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	26,300,652	37,249,955	3,743,008	10,623,290	77,916,905
1200	Manufacture of tobacco products	509,301	897,184	403,885	293,605	2,103,975
1393	Manufacture of carpets and rugs	13,563	0	29,446	3,140	46,149
1622	Manufacture of builders' carpentry and joinery	213,168	8,400	112,800	57,800	392,168
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	58,907,637	1,035,149	2,193,630	3,452,833	65,589,249
1709	Manufacture of other articles of paper and paperboard	8,538,000	396,000	330,400	1,096,075	10,360,475
1811	Printing	295,974	500	82,588	45,259	424,321
1910	Manufacture of coke oven product	24,285,896	0	2,823,616	3,041,806	30,151,318
1920	Manufacture of refined petroleum products	80,758,923	1,301,030	2,489,962	3,889,433	88,439,348

Continued Table 11

ISIC Code	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	6,692,090	1,059,228	511,793	2,087,832	10,350,943
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	5,574,954	408,572	4,221,200	10,778,695	20,983,421
2219	Manufacture of other rubber products	22,852,087	102,450	1,712,678	614,917	25,282,132
2220	Manufacture of plastics products	46,136,520	56,000	878,037	273,200	47,343,757
2310	Manufacture of glass and glass products	2,532,258	0	226,870	221,819	2,980,947
2392	Manufacture of clay building materials	118,412	1,054,783	12,991,685	6,425,216	20,590,096
2394	Manufacture of cement, lime and plaster	107,731,566	45,030,147	237,520,412	74,496,437	464,778,562
2395	Manufacture of articles of concrete, cement and plaster	83,030,810	0	2,156,535	1,275,465	86,462,810
2410	Manufacture of basic iron and steel	251,208,255	602,104	97,648,923	12,088,334	361,547,616
2420	Manufacture of basic precious and other non-ferrous metals	5,012,400	112,320	454,025	63,900	5,642,645
2432	Casting of non-ferrous metals	45,558,289	0	6,645,082	28,409,984	80,613,355
2511	Manufacture of structural metal products	2,493,968	0	396,720	263,762	3,154,450
2599	Manufacture of other fabricated metal products not elsewhere classified	10,986,200	0	85,139	196,710	11,268,049
2732	Manufacture of other electronic and electric wires and cables	373,219,620	820,700	659,040	183,860	374,883,220
2819	Manufacture of other general-purpose machinery	15,024,543	1,977,931	148,600	25,900	17,176,974
3100	Manufacture of furniture and wood products not classified elsewhere	7,338,126	96,290	1,303,920	658,790	9,397,126
	Total	1,448,072,868	131,753,969	394,904,445	169,546,214	2,144,277,496

Table 12: No. of Big Industrial Establishments, No. of Paid Workers and Compensation Value by Main Activities in Erbil Gov. in KRI, 2018

ISIC Code	Main Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
10	Manufacture of food products	19	1,079	10,438,925	2,169,629	12,608,554
11	Manufacture of Beverages	1	262	4,850,720	1,091,400	5,942,120
13	Manufacture of textiles	3	147	741,830	0	741,830
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1	85	543,000	98,000	641,000
17	Manufacture of Paper and its products	3	286	3,622,280	994,910	4,617,190
18	Manufacture of paper and paper products	4	493	5,939,745	0	5,939,745
19	Manufacture of coke and refined petroleum products	7	262	3,318,180	594,840	3,913,020
20	Manufacture of chemicals and chemical products	3	212	2,234,280	265,606	2,499,886
21	Manufacture of rubber and plastics products	1	72	1,604,554	135,502	1,740,056
22	Manufacture of other non-metallic mineral products	1	54	365,040	63,000	428,040
23	Manufacture of Paper and its products	3	369	4,192,080	1,040,480	5,232,560
24	Manufacture of basic metals	5	1,077	8,617,500	1,631,801	10,249,301
25	Manufacture of fabricated metal products, except machinery and equipment	3	124	1,010,040	46,543	1,056,583
27	Manufacture of electrical equipment	1	31	254,160	22,320	276,480
28	Manufacture of machinery and equipment n.e.c.	1	78	659,520	8,720	668,240
31	Manufacture of furniture	3	344	2,383,690	297,195	2,680,885
	Total	59	4,975	50,775,544	8,459,946	59,235,490



Table 13: No. of Big Industrial Establishments, No. of Paid Workers and Compensations Value by Sub Activities in Erbil Gov. in KRI, 2018, value in 1000 ID

ISIC Code	Sub Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
1010	Processing and Preserving of Meat and its products	2	89	382,860	129,480	512,340
1030	Processing and Preserving of Fruit and Vegetables	1	55	399,600	58,000	457,600
1040	Manufacture of Vegetable and Animal Oil and Fat	1	62	938,880	167,000	1,105,880
1050	Manufacture of Dairy Products	5	379	3,277,500	1,347,339	4,624,839
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	3	128	1,232,560	119,000	1,351,560
1079	Manufacture of other food products Not elsewhere classified	4	200	1,620,525	176,110	1,796,635
1080	Manufacture of prepared animal feeds	3	166	2,587,000	172,700	2,759,700
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	1	262	4,850,720	1,091,400	5,942,120
1393	Manufacture of carpets and rugs	3	147	741,830	0	741,830
1622	Manufacture of builders' carpentry and joinery	1	85	543,000	98,000	641,000
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	2	162	1,765,880	350,410	2,116,290
1709	Manufacture of other articles of paper and paperboard	1	124	1,856,400	644,500	2,500,900
1811	Printing	4	493	5,939,745	0	5,939,745
1910	Manufacture of coke oven products	5	141	1,055,900	49,440	1,105,340
1920	Manufacture of refined petroleum products	2	121	2,262,280	545,400	2,807,680
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	3	212	2,234,280	265,606	2,499,886

Continued Table 13

ISIC Code	Sub Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	1	72	1,604,554	135,502	1,740,056
2220	Manufacture of plastics products	1	54	365,040	63,000	428,040
2310	Manufacture of glass and glass products	1	52	520,560	50,140	570,700
2394	Manufacture of cement, lime and plaster	1	277	3,264,000	880,000	4,144,000
2395	Manufacture of articles of concrete, cement and plaster	1	40	407,520	110,340	517,860
2410	Manufacture of basic iron and steel	5	1,077	8,617,500	1,631,801	10,249,301
2511	Manufacture of structural metal products	2	83	603,960	31,008	634,968
2599	Manufacture of other fabricated metal products not elsewhere classified	1	41	406,080	15,535	421,615
2732	Manufacture of other electronic and electric wires and cable	1	31	254,160	22,320	276,480
2819	Manufacture of other general-purpose machinery	1	78	659,520	8,720	668,240
3100	Manufacture of furniture and wood products not classified elsewhere	3	344	2,383,690	297,195	2,680,885
	Total	59	4,975	50,775,544	8,459,946	59,235,490

Table 14: Product Values by Main Activities in Big Industrial Establishments in Erbil Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
10	Manufacture of food products	796,673,314	796,686,189	12,875	0	796,387,311	796,387,311
11	Manufacture of Beverages	33,326,900	33,326,900	0	378,200	33,326,900	33,326,900
13	Manufacture of textiles	16,240	16,240	0	0	16,240	16,240
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1,280,000	1,280,000	0	0	1,280,000	1,280,000
17	Manufacture of Paper and its products	38,003,000	38,003,000	0	0	38,092,449	38,092,449
18	Manufacture of paper and paper products	89,490	89,490	0	0	446,827	446,827
19	Manufacture of coke and refined petroleum products	83,345,531	83,345,531	0	0	83,548,031	82,118,031
20	Manufacture of chemicals and chemical products	10,132,800	10,132,800	0	0	9,526,199	9,502,199
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	12,067,855	12,067,855	0	0	10,531,626	10,531,626
22	Manufacture of rubber and plastics products	4,800,000	4,800,000	0	0	4,779,200	4,779,200
23	Manufacture of other non-metallic mineral products	133,955,000	133,955,000	0	0	133,435,670	133,435,670
24	Manufacture of basic metals	172,053,343	172,053,343	0	0	187,103,100	187,103,100
25	Manufacture of fabricated metal products, except machinery and equipment	13,633,665	13,633,665	0	0	13,616,865	13,616,865
27	Manufacture of electrical equipment	1,072,540	1,073,540	1,000	0	1,073,540	1,073,540
28	Manufacture of machinery and equipment	12,293,244	12,293,244	0	0	18,292,680	18,292,680
31	Manufacture of furniture	12,215,850	12,215,850	0	0	12,220,485	12,220,485
	Total	1,324,958,772	1,324,972,647	13,875	378,200	1,343,677,123	1,342,223,123

Table 15: Product Values by Sub Activities in Big Industrial Establishments in Erbil Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Sub Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
1010	Processing and Preserving of Meat and its products	1,409,000	1,409,000	0	0	1,409,000	1,409,000
1030	Processing and Preserving of Fruit and Vegetables	4,500,000	4,500,000	0	0	4,500,000	4,500,000
1040	Manufacture of Vegetable and Animal Oil and Fat	360,000,000	360,000,000	0	0	360,000,000	360,000,000
1050	Manufacture of Dairy Products	51,590,523	51,603,023	12,500	0	51,566,023	51,566,023
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	6,779,325	6,779,700	375	0	6,796,850	6,796,850
1079	Manufacture of other food products Not elsewhere classified	38,134,466	38,134,466	0	0	37,855,438	37,855,438
1080	Manufacture of prepared animal feeds	334,260,000	334,260,000	0	0	334,260,000	334,260,000
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	33,326,900	33,326,900	0	378,200	33,326,900	33,326,900
1393	Manufacture of carpets and rugs	16,240	16,240	0	0	16,240	16,240
1622	Manufacture of builders' carpentry and joinery	1,280,000	1,280,000	0	0	1,280,000	1,280,000
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	24,755,000	24,755,000	0	0	24,827,889	24,827,889
1709	Manufacture of other articles of paper and paperboard	13,248,000	13,248,000	0	0	13,264,560	13,264,560
1811	Printing	89,490	89,490	0	0	446,827	446,827
1910	Manufacture of refined petroleum products	5,075,531	5,075,531	0	0	5,075,531	5,075,531
1920	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	78,270,000	78,270,000	0	0	78,472,500	77,042,500
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	10,132,800	10,132,800	0	0	9,526,199	9,502,199
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	12,067,855	12,067,855	0	0	10,531,626	10,531,626

Continued Table 15:

ISIC Code	Sub Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
2220	Manufacture of plastics products	4,800,000	4,800,000	0	0	4,779,200	4,779,200
2310	Manufacture of glass and glass products	5,640,000	5,640,000	0	0	5,456,670	5,456,670
2394	Manufacture of cement, lime and plaster	112,115,000	112,115,000	0	0	111,779,000	111,779,000
2395	Manufacture of articles of concrete, cement and plaster	16,200,000	16,200,000	0	0	16,200,000	16,200,000
2410	Manufacture of basic iron and steel	172,053,343	172,053,343	0	0	187,103,100	187,103,100
2511	Manufacture of structural metal products	2,006,465	2,006,465	0	0	1,989,665	1,989,665
2599	Manufacture of other fabricated metal products not elsewhere classified	11,627,200	11,627,200	0	0	11,627,200	11,627,200
2732	Manufacture of other electronic and electric wires and cables	1,072,540	1,073,540	1,000	0	1,073,540	1,073,540
2819	Manufacture of other general-purpose machinery	12,293,244	12,293,244	0	0	18,292,680	18,292,680
3100	Manufacture of furniture and wood products not classified elsewhere	12,215,850	12,215,850	0	0	12,220,485	12,220,485
	Total	1,324,958,772	1,324,972,647	13,875	378,200	1,343,677,123	1,342,223,123

Table 16: Value of Intermediate Consumptions and Services by Main Activities in Big Industrial Establishments in Erbil Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Raw Material	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
10	Manufacture of food products	227,117,298	21,877,265	10,031,921	6,918,448	265,944,932
11	Manufacture of Beverages	16,949,720	27,038,850	1,376,100	9,313,690	54,678,360
13	Manufacture of Textiles	8,085	0	1,876	2,940	12,901
16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	213,168	8,400	112,800	57,800	392,168
17	Manufacture of Paper and its products	29,030,685	600,565	1,305,862	2,141,822	33,078,934
18	Manufacture of paper and paper products	295,974	500	82,588	45,259	424,321
19	Manufacture of coke and refined petroleum products	78,031,892	0	2,759,490	3,919,200	84,710,582
20	Manufacture of chemicals and chemical products	2,467,090	1,046,628	342,393	1,935,578	5,791,689
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	713,101	71,356	283,700	3,930,964	4,999,121
22	Manufacture of rubber and plastics products	2,844,480	56,000	659,285	132,100	3,691,865
23	Manufacture of other non-metallic mineral products	13,071,158	8,488,000	26,194,430	3,431,869	51,185,457
24	Manufacture of basic metals	79,011,895	55,455	24,695,801	5,112,391	108,875,542
25	Manufacture of fabricated metal products, except machinery and equipment	11,686,768	0	222,437	314,710	12,223,915
27	Manufacture of electrical equipment	390,420	20,700	54,600	9,140	474,860
28	Manufacture of machinery and equipment Not elsewhere classified	15,024,543	1,977,931	148,600	25,900	17,176,974
31	Manufacture of furniture	7,338,126	96,290	1,303,920	658,790	9,397,126
	Total	484,194,403	61,337,940	69,575,803	37,950,601	653,058,747

Table 17: Intermediate Consumptions and Services by Sub Activities in Big Industrial Establishments in Erbil Gov. in KRI, 2018, Value in 1000 ID

ISIC code	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
1010	Processing and Preserving of Meat and its products	325,972	224,700	153,820	67,460	771,952
1030	Processing and Preserving of Fruit and Vegetables	1,032,000	82,000	1,403,500	369,700	2,887,200
1040	Manufacture of Vegetable and Animal Oil and Fat	33,600,000	2,568,000	3,392,600	1,152,000	40,712,600
1050	Manufacture of Dairy Products	13,163,639	11,279,200	2,671,935	2,112,635	29,227,409
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	3,076,230	306,704	566,198	691,260	4,640,392
1079	Manufacture of other food products Not elsewhere classified	9,056,027	6,965,521	583,924	2,154,643	18,760,115
1080	Manufacture of prepared animal feeds	166,863,430	451,140	1,259,944	370,750	168,945,264
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	16,949,720	27,038,850	1,376,100	9,313,690	54,678,360
1393	Manufacture of carpets and rugs	8,085	0	1,876	2,940	12,901
1622	Manufacture of builders' carpentry and joinery	213,168	8,400	112,800	57,800	392,168
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	20,492,685	204,565	975,462	1,045,747	22,718,459
1709	Manufacture of other articles of paper and paperboard	8,538,000	396,000	330,400	1,096,075	10,360,475
1811	Printing	295,974	500	82,588	45,259	424,321
1910	Manufacture of coke oven products	1,981,892	0	755,305	671,700	3,408,897
1920	Manufacture of refined petroleum products	76,050,000	0	2,004,185	3,247,500	81,301,685

Continued Table 17:

ISIC Code	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	2,467,090	1,046,628	342,393	1,935,578	5,791,689
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	713,101	71,356	283,700	3,930,964	4,999,121
2220	Manufacture of plastics products	2,844,480	56,000	659,285	132,100	3,691,865
2310	Manufacture of glass and glass products	2,532,258	0	226,870	221,819	2,980,947
2394	Manufacture of cement, lime and plaster	8,810,300	8,488,000	25,827,600	3,050,000	46,175,900
2395	Manufacture of articles of concrete, cement and plaster	1,728,600	0	139,960	160,050	2,028,610
2410	Manufacture of basic iron and steel	79,011,895	55,455	24,695,801	5,112,391	108,875,542
2511	Manufacture of structural metal products	700,568	0	137,298	118,000	955,866
2599	Manufacture of other fabricated metal products not elsewhere classified	10,986,200	0	85,139	196,710	11,268,049
2732	Manufacture of other electronic and electric wires and cables	390,420	20,700	54,600	9,140	474,860
2819	Manufacture of other general-purpose machinery	15,024,543	1,977,931	148,600	25,900	17,176,974
3100	Manufacture of furniture and wood products not classified elsewhere	7,338,126	96,290	1,303,920	658,790	9,397,126
	Total	484,194,403	61,337,940	69,575,803	37,950,601	653,058,747



Table 18: No. of Big Industrial Establishments, No. of Paid Workers and Compensation Values by Main Activities in Sulaimani Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
10	Manufacture of food products	11	663	6,677,660	731,425	7,409,085
11	Manufacture of beverages	4	268	1,758,480	320,620	2,079,100
12	Manufacture of tobacco products	1	62	599,760	26,800	626,560
13	Manufacture of textiles	1	46	296,568	-	296,568
17	Manufacture of paper and paper products	1	85	880,408	326,678	1,207,086
19	Manufacture of coke and refined petroleum products	11	311	2,359,162	242,563	2,601,725
20	Manufacture of chemicals and chemical products	1	128	473,820	124,640	598,460
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	1	525	5,129,665	1,252,125	6,381,790
22	Manufacture of rubber and plastics products	4	294	2,505,960	412,632	2,918,592
23	Manufacture of other non-metallic mineral products	10	2,423	39,339,805	5,867,710	45,207,515
24	Manufacture of basic metals	9	1,882	18,395,479	2,700,652	21,096,131
25	Manufacture of fabricated metal products, except machinery and equipment	1	110	1,006,320	159,034	1,165,354
27	Manufacture of electrical equipment	1	35	641,760	46,440	688,200
	Total	56	6,832	80,064,847	12,211,319	92,276,166

Table 19: No. of Big Industrial Establishments, No. of Paid Workers and Compensation Value by Sub Activities in Sulaimani Gov. in KRI, 2018, value in 1000 ID

ISIC Code	Sub Activities	No. of Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, in-kind), 1000 ID	Total compensation of Employees, 1000 ID
1050	Manufacture of Dairy Products	3	206	1,572,280	340,667	1,912,947
1061	Manufacture of Grain mill and its Production	4	215	2,310,200	205,810	2,516,010
1071	Manufacture of Bakery Products	2	153	796,200	58,398	854,598
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	1	40	250,800	5,508	256,308
1079	Manufacture of other food products Not elsewhere classified	1	49	1,748,180	121,042	1,869,222
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	4	268	1,758,480	320,620	2,079,100
1200	Manufacture of tobacco products	1	62	599,760	26,800	626,560
1393	Manufacture of carpets and rugs	1	46	296,568	-	296,568
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	1	85	880,408	326,678	1,207,086
1910	Manufacture of coke oven products	9	244	1,704,530	149,140	1,853,670
1920	Manufacture of refined petroleum products	2	67	654,632	93,423	748,055
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	1	128	473,820	124,640	598,460
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	1	525	5,129,665	1,252,125	6,381,790

Continued Table 19

ISIC Code	Sub Activities	No. of Industrial Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, In-kind), 1000 ID	Total Compensations of Paid Workers, 1000 ID
2219	Manufacture of other rubber products	4	294	2,505,960	412,632	2,918,592
2392	Manufacture of clay building materials	1	205	2,013,957	612,618	2,626,575
2394	Manufacture of cement, lime and plaster	5	1,926	34,517,962	4,969,040	39,487,002
2395	Manufacture of articles of concrete, cement and plaster	4	292	2,807,886	286,052	3,093,938
2410	Manufacture of basic iron and steel	7	1,527	12,389,249	2,069,996	14,459,245
2420	Manufacture of basic precious and other non-ferrous metals	1	68	456,720	24,100	480,820
2432	Casting of non-ferrous metals	1	287	5,549,510	606,556	6,156,066
2511	Manufacture of structural metal products	1	110	1,006,320	159,034	1,165,354
2732	Manufacture of other electronic and electric wires and cables	1	35	641,760	46,440	688,200
	Total	56	6,832	80,064,847	12,211,319	92,276,166

Table 20: Product Value by Main Activities in Big Industrial Establishments in Sulaimani Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
10	Manufacture of food products	36,652,375	36,652,375	60,000	6,815,100	36,652,375	36,652,375
11	Manufacture of beverages	23,446,196	23,446,196	0	0	23,591,000	23,591,000
12	Manufacture of tobacco products	3,456,000	3,456,000	0	0	3,456,000	3,456,000
13	Manufacture of textiles	3,800	3,800	0	0	3,800	3,800
17	Manufacture of paper and paper products	55,181,780	55,181,780	0	0	54,480,910	54,480,910
19	Manufacture of coke and refined petroleum products	43,362,857	43,362,857	0	0	43,479,473	43,479,473
20	Manufacture of chemicals and chemical products	6,203,000	6,203,000	0	0	6,203,000	6,203,000
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	59,719,098	59,719,098	0	0	60,685,864	60,685,864
22	Manufacture of rubber and plastics products	35,306,537	35,306,537	0	0	35,306,537	34,884,537
23	Manufacture of other non-metallic mineral products	790,811,063	790,811,063	0	0	813,243,636	812,721,109
24	Manufacture of basic metals	510,179,197	530,825,156	20,645,959	0	532,041,277	532,047,037
25	Manufacture of fabricated metal products, except machinery and equipment	6,024,000	6,024,000	0	246,183	6,024,000	6,024,000
27	Manufacture of electrical equipment	384,000,000	384,000,000	0	0	384,000,000	384,000,000
	Total	1,954,345,903	1,974,991,862	20,705,959	7,061,283	1,999,167,872	1,998,229,105

Table 21: Product Value by Sub Activities in Big Industrial Establishments in Sulaimani Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Sub Act i v i t i e s	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
1050	Manufacture of Dairy Products	25,399,325	25,399,325	0	0	25,399,325	25,399,325
1061	Manufacture of Grain mill and its Production	0	0	0	6,815,100	0	0
1071	Manufacture of Bakery Products	2,170,100	2,170,100	60,000	0	2,170,100	2,170,100
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	1,080,000	1,080,000	0	0	1,080,000	1,080,000
1079	Manufacture of other food products Not elsewhere classified	8,002,950	8,002,950	0	0	8,002,950	8,002,950
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	23,446,196	23,446,196	0	0	23,591,000	23,591,000
1200	Manufacture of tobacco products	3,456,000	3,456,000	0	0	3,456,000	3,456,000
1393	Manufacture of carpets and rugs	3,800	3,800	0	0	3,800	3,800
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	55,181,780	55,181,780	0	0	54,480,910	54,480,910
1910	Manufacture of coke oven products	30,474,233	30,474,233	0	0	30,474,233	30,474,233
1920	Manufacture of refined petroleum products	12,888,624	12,888,624	0	0	13,005,240	13,005,240
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	6,203,000	6,203,000	0	0	6,203,000	6,203,000
2100	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	59,719,098	59,719,098	0	0	60,685,864	60,685,864

Continued Table 21

ISIC Code	Sub Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
2219	Manufacture of other rubber products	35,306,537	35,306,537	0	0	35,306,537	34,884,537
2392	Manufacture of clay building materials	27,465,406	27,465,406	0	0	49,939,767	49,939,767
2394	Manufacture of cement, lime and plaster	647,890,273	647,890,273	0	0	647,848,485	647,325,958
2395	Manufacture of articles of concrete, cement and plaster	115,455,384	115,455,384	0	0	115,455,384	115,455,384
2410	Manufacture of basic iron and steel	315,536,070	336,182,029	20,645,959	0	337,398,150	337,403,910
2420	Manufacture of basic precious and other non-ferrous metals	1,850,000	1,850,000	0	0	1,850,000	1,850,000
2432	Casting of non-ferrous metals	192,793,127	192,793,127	0	0	192,793,127	192,793,127
2511	Manufacture of structural metal products	6,024,000	6,024,000	0	246,183	6,024,000	6,024,000
2732	Manufacture of other electronic and electric wires and cables	384,000,000	384,000,000	0	0	384,000,000	384,000,000
	Total	1,954,345,903	1,974,991,862	20,705,959	7,061,283	1,999,167,872	1,998,229,105

Table 22: Intermediate Consumptions and Services by Main Activities in Big Industrial Establishments in Sulaimani Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
10	Manufacture of food products	17,895,858	7,902,146	3,376,842	1,740,589	30,915,435
11	Manufacture of beverages	4,435,652	7,760,152	1,324,810	865,100	14,385,714
12	Manufacture of tobacco products	509,301	897,184	403,885	293,605	2,103,975
13	Manufacture of textiles	5,478	0	27,570	200	33,248
17	Manufacture of paper and paper products	38,414,952	830,584	1,218,168	2,407,086	42,870,790
19	Manufacture of coke and refined petroleum products	21,636,623	1,301,030	2,423,578	2,987,639	28,348,870
20	Manufacture of chemicals and chemical products	4,225,000	12,600	169,400	152,254	4,559,254
21	Manufacture of pharmaceuticals, medicinal chemical and botanical products	4,861,853	337,216	3,937,500	6,847,731	15,984,300
22	Manufacture of rubber and plastics products	22,852,087	102,450	1,712,678	614,917	25,282,132
23	Manufacture of other non-metallic mineral products	177,416,000	37,596,930	226,062,465	78,820,278	519,895,673
24	Manufacture of basic metals	216,959,999	546,649	79,712,134	35,349,027	332,567,809
25	Manufacture of fabricated metal products, except machinery and equipment	1,793,400	0	259,422	145,762	2,198,584
27	Manufacture of electrical equipment	372,829,200	800,000	604,440	174,720	374,408,360
	Total	883,835,403	58,086,941	321,232,892	130,398,908	1,393,554,144

Table 23: Intermediate Consumptions and Services by Sub Activities in Big Industrial Establishments in Sulaimani Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
1050	Manufacture of Dairy Products	13,428,811	5,894,710	872,187	721,153	20,916,861
1061	Manufacture of Grain mill and its Production	0	565,960	1,450,745	677,585	2,694,290
1071	Manufacture of Bakery Products	692,814	42,245	455,310	28,930	1,219,299
1073	Manufacture of Cocoa, Chocolate and sugar confectionery	553,040	27,600	36,900	97,000	714,540
1079	Manufacture of other food products Not elsewhere classified	3,221,193	1,371,631	561,700	215,921	5,370,445
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	4,435,652	7,760,152	1,324,810	865,100	14,385,714
1200	Manufacture of tobacco products	509,301	897,184	403,885	293,605	2,103,975
1393	Manufacture of carpets and rugs	5,478	0	27,570	200	33,248
1702	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard	38,414,952	830,584	1,218,168	2,407,086	42,870,790
1910	Manufacture of coke oven products	16,927,700	0	1,937,801	2,345,706	21,211,207
1920	Manufacture of refined petroleum products	4,708,923	1,301,030	485,777	641,933	7,137,663
2023	Manufacture of soap and detergents, cleaning and polishing preparations, perfumes and toilet preparations	4,225,000	12,600	169,400	152,254	4,559,254
2100	Manufacture of pharmaceuticals, medicinal chemical and botanical products	4,861,853	337,216	3,937,500	6,847,731	15,984,300



Continued Table 23

ISIC Code	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
2219	Manufacture of other rubber products	22,852,087	102,450	1,712,678	614,917	25,282,132
2392	Manufacture of clay building materials	118,412	1,054,783	12,991,685	6,425,216	20,590,096
2394	Manufacture of cement, lime and plaster	98,921,266	36,542,147	211,692,812	71,446,437	418,602,662
2395	Manufacture of articles of concrete, cement and plaster	78,376,322	0	1,377,968	948,625	80,702,915
2410	Manufacture of basic iron and steel	170,435,710	546,649	72,866,612	6,901,943	250,750,914
2420	Manufacture of basic precious and other non-ferrous metals	966,000	0	200,440	37,100	1,203,540
2432	Casting of non-ferrous metals	45,558,289	0	6,645,082	28,409,984	80,613,355
2511	Manufacture of structural metal products	1,793,400	0	259,422	145,762	2,198,584
2732	Manufacture of other electronic and electric wires and cables	372,829,200	800,000	604,440	174,720	374,408,360
	Total	883,835,403	58,086,941	321,232,892	130,398,908	1,393,554,144

Table 24: No. of Big Industrial Establishments, No. of Paid Workers and Compensation Value by Main Activities in Duhok Gov. in KRI, 2018

ISIC Code	Main Activities	No. of Industrial Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants (Cash, In-kind), 1000 ID	Total Compensations of Paid Workers, 1000 ID
10	Manufacture of food products	6	333	2,520,640	177,260	2,697,900
11	Manufacture of beverages	4	217	1,744,752	63,216	1,807,968
19	Manufacture of coke and refined petroleum products	1	45	365,400	15,000	380,400
22	Manufacture of rubber and plastics products	2	90	783,000	52,800	835,800
23	Manufacture of other non-metallic mineral products	2	74	781,440	69,952	851,392
24	Manufacture of basic metals	2	171	1,572,480	83,100	1,655,580
	Total	17	930	7,767,712	461,328	8,229,040

Table 25: No. of Big Industrial Establishments, No. of Paid Workers and Compensation Value by Sub Activities in Duhok Gov. in KRI, 2018

ISIC Code	Sub Activities	No. of Industrial Establishments	No. of Paid Workers	Wages and Salaries, 1000 ID	Grants Cash, In-kind), 1000 ID	Total Compensations of Paid Workers, 1000 ID
1040	Manufacture of Vegetable and Animal Oil and Fat	1	71	567,360	22,860	590,220
1050	Manufacture of Dairy Products	3	172	1,436,640	93,300	1,529,940
1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products	1	50	177,600	17,100	194,700
1079	Manufacture of other food products n.e.c.	1	40	339,040	44,000	383,040
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	4	217	1,744,752	63,216	1,807,968
1910	Manufacture of coke oven products	1	45	365,400	15,000	380,400
2220	Manufacture of paints, varnishes and similar coatings and printing ink	2	90	783,000	52,800	835,800
2395	Manufacture of articles of concrete, cement and plaster	2	74	781,440	69,952	851,392
2410	Manufacture of basic iron and steel	1	51	324,000	30,800	354,800
2420	Manufacture of basic precious and other non-ferrous metals	1	120	1,248,480	52,300	1,300,780
	Total	17	930	7,767,712	461,328	8,229,040

Table 26: Product Values by Main Activities in Big Industrial Establishments in Duhok Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Selling Price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
10	Manufacture of food products	35,303,400	35,303,400	0	0	35,215,020	35,215,020
11	Manufacture of beverages	13,700,196	13,701,306	1,110	0	13,560,956	13,560,956
19	Manufacture of coke and refined petroleum products	6,300,000	6,300,000	0	0	6,300,000	6,300,000
22	Manufacture of rubber and plastics products	45,571,000	45,571,000	0	0	45,531,800	45,531,800
23	Manufacture of other non-metallic mineral products	5,030,000	5,030,000	0	0	5,030,000	5,030,000
24	Manufacture of basic metals	9,060,000	9,060,000	0	0	9,050,400	9,050,400
	Total	114,964,596	114,965,706	1,110	0	114,688,176	114,688,176

Table 27: Product Values by Sub Activities in Big Industrial Establishments in Duhok Gov. in KRI, 2018, Value in 1000 ID:

ISIC Code	Sub Activities	Selling price	Value of Finished Products	Value of Not Finished Products	Income from Providing Service to Others	Production Value Based on Market Price	Production Value Based on Costing Price
1040	Manufacture of Vegetable and Animal Oil and Fat	9,600,000	9,600,000	0	0	9,600,000	9,600,000
1050	Manufacture of Dairy Products	19,035,600	19,035,600	0	0	19,011,720	19,011,720
1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products	2,295,000	2,295,000	0	0	2,255,580	2,255,580
1079	Manufacture of other food products not elsewhere classified	4,372,800	4,372,800	0	0	4,347,720	4,347,720
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	13,700,196	13,701,306	1,110	0	13,560,956	13,560,956
1910	Manufacture of coke oven products	6,300,000	6,300,000	0	0	6,300,000	6,300,000
2220	Manufacture of plastics products	45,571,000	45,571,000	0	0	45,531,800	45,531,800
2395	Manufacture of articles of concrete, cement and plaster	5,030,000	5,030,000	0	0	5,030,000	5,030,000
2410	Manufacture of basic iron and steel	2,700,000	2,700,000	0	0	2,696,760	2,696,760
2420	Manufacture of basic precious and other non-ferrous metals	6,360,000	6,360,000	0	0	6,353,640	6,353,640
	Total	114,964,596	114,965,706	1,110	0	114,688,176	114,688,176

Table 28: Intermediate Consumptions and Services by Main Activities in Big Industrial Establishments in Duhok Gov. in KRI, 2018, Value in 1000 ID

ISIC Code	Main Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
10	Manufacture of food products	17,726,500	9,765,815	1,725,688	319,115	29,537,118
11	Manufacture of beverages	4,915,280	2,450,953	1,042,098	444,500	8,852,831
19	Manufacture of coke and refined petroleum products	5,376,304	0	130,510	24,400	5,531,214
22	Manufacture of rubber and plastics products	43,292,040	0	218,752	141,100	43,651,892
23	Manufacture of other non-metallic mineral products	2,925,888	0	638,607	166,790	3,731,285
24	Manufacture of basic metals	5,807,050	112,320	340,095	100,800	6,360,265
	Total	80,043,062	12,329,088	4,095,750	1,196,705	97,664,605

Table 29: Intermediate Consumptions and Services by Sub Activities in Big Industrial Establishments in Duhok Gov. in KRI, 2018, Value in 1000 ID

ISIC Cod	Sub Activities	Raw Materials	Packing and Wrapping Material	Other Needs	Service Needs	Total Value
1040	Manufacture of Vegetable and Animal Oil and Fat	7,195,560	663,400	750,360	60,500	8,669,820
1050	Manufacture of Dairy Products	8,051,140	6,506,444	812,358	208,540	15,578,482
1074	Manufacture of macaroni, noodles, couscous and similar farinaceous products	1,710,000	230,640	32,295	16,175	1,989,110
1079	Manufacture of other food products not elsewhere classified	769,800	2,365,331	130,675	33,900	3,299,706
1104	Manufacture of soft drinks; production of mineral waters and other bottled waters	4,915,280	2,450,953	1,042,098	444,500	8,852,831
1910	Manufacture of coke oven products	5,376,304	0	130,510	24,400	5,531,214
2220	Manufacture of plastics products	43,292,040	0	218,752	141,100	43,651,892
2395	Manufacture of articles of concrete, cement and plaster	2,925,888	0	638,607	166,790	3,731,285
2410	Manufacture of basic iron and steel	1,760,650	0	86,510	74,000	1,921,160
2420	Manufacture of basic precious and other non-ferrous metals	4,046,400	112,320	253,585	26,800	4,439,105
	Total	80,043,062	12,329,088	4,095,750	1,196,705	97,664,605