



Exports Indices Report For the year 2016

Index numbers department

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Introduction

The importance of foreign trade in Iraq through the role it plays in Iraq's national economy and the indicators considered of the important indicators in the economic analysis, especially exports as it is considered an important source of National income and the increase and varieties of exports means the country's progress in various economic aspects.

Export indices (value, quantity and price) for year 2016 basis 2012 were calculated to reach results that reflect our true export development.

All years (2008-2013) which have been calculated by 2007 as a base year are included in this report in the last table, that is, all indices are actual based on 2007.

Methodology: Exports index numbers structure as below:

First: The Base year

Index numbers department for renovation calculating the exports indices basis year 2012, instead of 2007.

Second: Commodity basket

The total exports value (Excluding oil) for all goods exported reached in the base year 2012 (331272) million ID of goods and distributed to (39) commodity exported, (9) sections and (24) class.

The number of selected goods was (32) commodity from (39) commodity exported in the base year 2012 representing (82.1%) of the total number of goods exported, while the value of total exports (Except oil) For these selected goods amounted to (331241) million ID in the base year 2012 with a ratio of (99.991%) of the total value of exports.

The selected (32) commodity were distributed to (9) Full sections and (23) class of (24) for the (HS-02) classification which is "The Harmonized Commodity Description and Coding System".

Third: export index numbers types and mathematical formulas used

1. Index (unit value) For exports

Adopting the Laspeyres' formula weighted base year 2012 in the calculation of the index of unit value of exports, as follows:

$$I_p = \frac{\sum P_1/P_0 \times W}{\sum W} \times 100$$

Where:

I_p: The index for the unit value of exports

P₁: Price of the commodity in the comparative year.

P₀: Item price in the base year.

W: Item weight in the base year.

Moreover, the index is calculated on the level of the class and then at the level of the section.

2. Index (value) exports

The Simple Aggregative Formula adopted in calculating the index value of exports, as follows:

$$I_V = \frac{\sum V_1}{\sum V_0} \times 100$$

Whereas:

IV: The index for the value of exports.

V1: Value in the comparison year.

V0: Value in the base year.

Moreover, the index calculated on the chapter level then at the level of the department.

3. Exports indices (quantity)

The amount of exports index = (value Index) / (price index) for exports.

4: Calculating the total index number for oil and non-oil exports

After calculating the indices of non-oil exports, the indices for oil exports is calculated the general index number of oil exports and non-oil is calculated as an average of the non-oil exports and the value of oil exports as follows:

Exports index number

(With crude oil) Value or price = $\frac{((\text{non-oil exports index number} \times \text{weight}) + (\text{oil exports index number} \times \text{weight}))}{100}$

Where weight expresses the non-oil exports or the oil exports for the relative importance of exports in the base year 2012.

As for the quantity index number for total exports = (value index number) / (price index number)

Data sources

Relining on the following group of sources in the Central statistical organization to calculate the export index numbers:

1. Export report, issued by Trade Statistics Department, (value) and weight (quantity).
2. Due to the lack of (commodity price) in the export report, it has been replaced by what are known as (unit value) which expresses the average price for the commodity mixture is homogeneous and equal to (source value of the commodity mix) / (weight).
3. Adopting the (commercial price) for the dollar exchange rate, available in the index numbers department.
4. (crude oil source) Data for quantity and value available in the national accounts department, to extract the record for oil exports.

**Exports index numbers and rate of change for the period
(2015-2016) basis 2012**

Table(1)

Exports type		index numbers for 2015	index numbers for 2016	change rate %
Value	Total exports	55.7	50.7	-9.0
	Non-oil exports	38.3	2.0	-94.8
	Oil exports	55.8	50.8	-9.0
Quantity	Total exports	123.2	135.9	10.3
	Non-oil exports	59.6	4.2	-93.0
	Oil exports	123.7	136.2	10.1
Price	Total exports	45.2	37.3	-17.5
	Non-oil exports	64.3	48.0	-25.3
	Oil exports	45.1	37.3	-17.3

Figure (1): index total oil & non-oil exports for the period (2015-2016) basis 2012

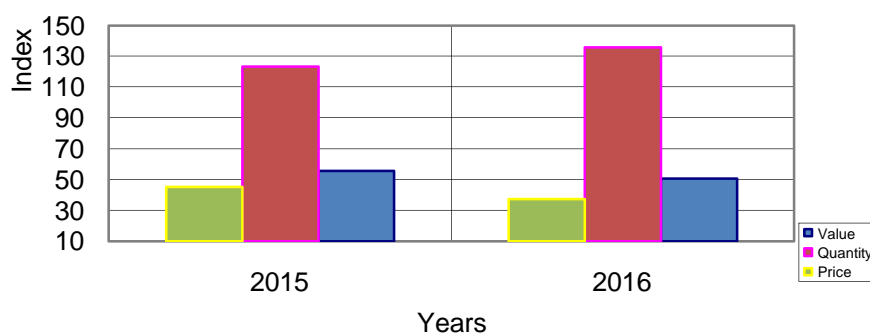


Figure (2): index non-oil exports for the period (2015-2016) basis 2012

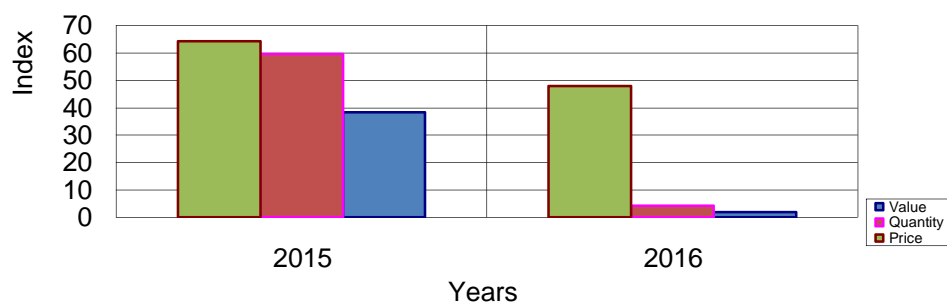
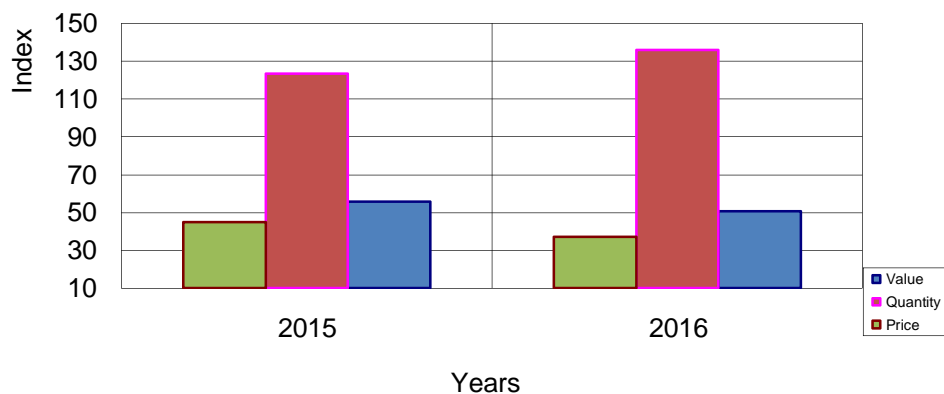


Figure (3): index oil exports for the period (2015-2016) basis 2012



Indices indicators for exports year 2016 basis 2012

Table (1) shows the exports indices basis 2012 as below:

1. Total Indices for oil and non -Oil exports:

The value index number reached (50.7%) during the year 2016 basis 2012 with a decrease of (9.0%) than the past year.

The quantity index number reached (135.9%) during the year 2016 basis 2012 with an increase of (10.3%) than the past year.

The price index number reached (37.3%) during the year 2016 basis 2012 with a decrease of (17.5%) than the past year due to the decrease of oil prices globally.

2. Index of non-oil exports:

The value index number reached (2.0%) during the year 2016 basis 2012 with a decrease of (94.8%) than the past year.

The quantity index number reached (4.2%) during the year 2016 basis 2012 with a decrease of (93.0%) than the past year.

The price index number reached (48.0%) during the year 2016 basis 2012 with a decrease of (25.3%) than the past year.

The decrease in non-oil exports index number for value, quantity and price due to the closing of some main border ports because of current security situation.

3. Oil exports indices:

The value index number reached (50.8%) during the year 2016 basis 2012 with a decrease of (9.0%) than the past year.

The quantity index number reached (136.2%) during the year 2016 basis 2012 with an increase of (10.1%) than the past year.

The price index number reached (37.3%) during the year 2016 basis 2012 with a decrease of (17.3%) than the past year.

Index Number of the non - oil exports by quarter for year 2016 basis 2012

Table (2)

class	item	Base weight2012	Value index	Quantity index	Price index
Total class 01	Live animals	0.008	281.3	321.5	87.5
Total class 03	Fish and crustaceans, molluscs and other aquatic invertebrates.	0.034	—	—	—
Total class 05	Products of animal origin, not elsewhere specified or included.	1.452	39.5	44.2	89.4
Total class 08	Edible fruit and nuts; peel of citrus fruit or melons.	4.328	0.5	0.5	108.1
Total class 10	Cereals.	0.001	—	—	—
Total class 11	Products of the milling industry; malt; starches; inulin; wheat gluten.	0.002	—	—	—
Total class 12	Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal plants; straw and fodder.	0.002	—	—	—
Total class 13	Lac; gums, resins and other vegetable saps and EXtracts.	0.004	—	—	—
Total class 17	Sugars and sugar confectionery.	0.109	41.8	41.8	100.0
Total class 20	Preparations of vegetables, fruit, nuts or other parts of plants.	0.656	—	—	—
Total class 25	Salt; sulphur; earths and stone; plastering materials, lime and cement.	1.474	—	—	—
Total class 27	Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes.	12.858	—	—	—
Total class 28	Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes	0.058	37.6	26.0	144.8

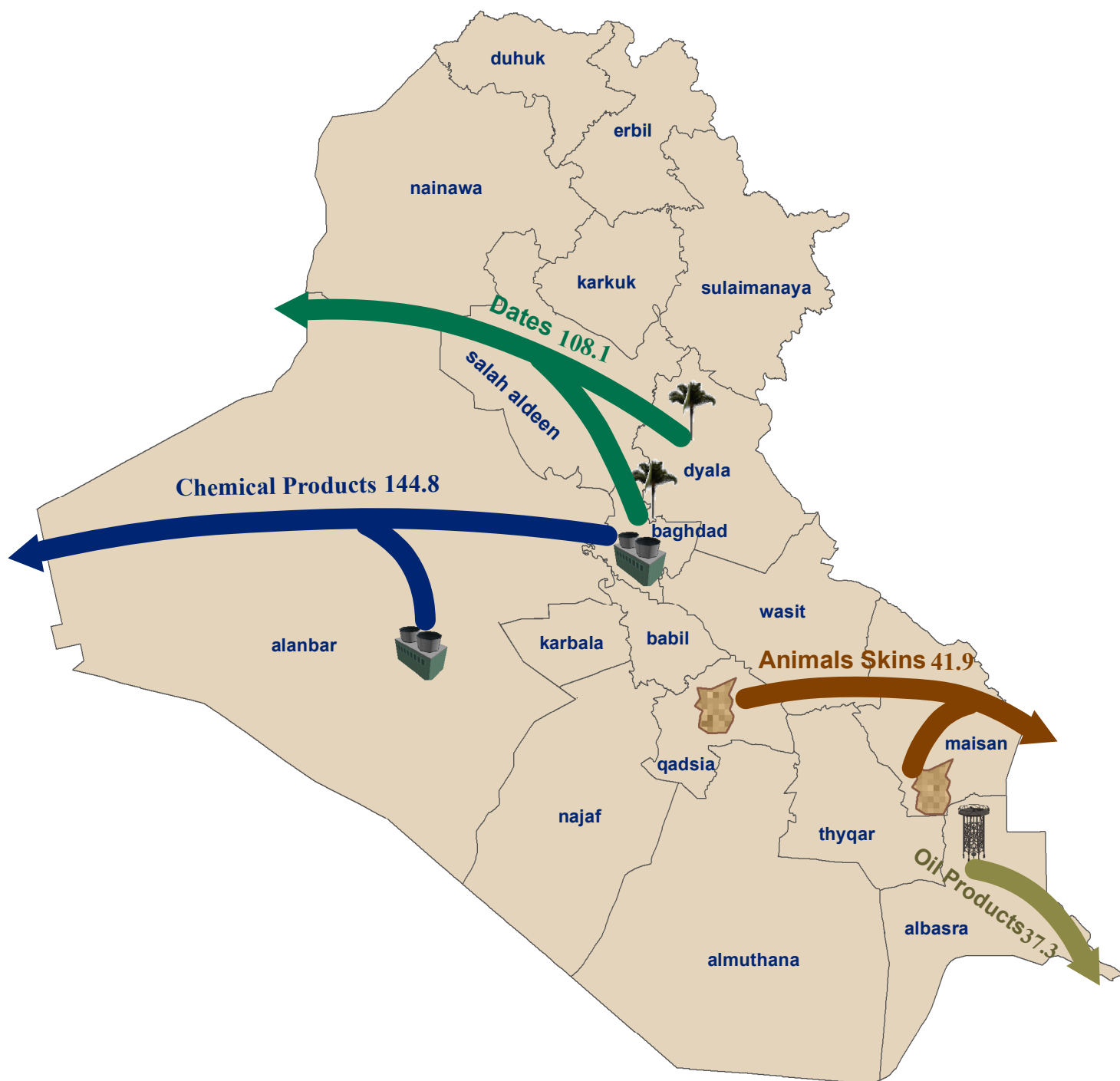
class	item	Base weight2012	Value index	Quantity index	Price index
Total class 29	Organic chemicals.	67.592	—	—	—
Total class 31	Fertilisers.	0.033	—	—	—
Total class 32	Tanning or dyeing EXtracts; tannins and their derivatives; dyes, pigments and other colouring matter; paints and varnishes; putty and other mastics; inks.	1.148	—	—	—
Total class 34	Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial waxes, prepared waxes, polishing or scouring preparations, candles and similar articles, modelling pastes, "dental waxes" and dental preparations with a basis	0.670	—	—	—
Total class 38	Miscellaneous chemical products.	0.095	—	—	—
Total class 39	Plastics and articles thereof.	3.018	0.7	16.7	4.2
Total class 41	Raw hides and skins (other than furskins) and leather.	6.322	20.6	49.2	41.9
Total class 48	Paper and cardboard (carton); articles of cellulose pulp believe paper or paperboard	0.047	—	—	—
Total class 51	Wool, fine or coarse animal hair; horsehair yarn and woven fabric.	0.058	62.7	49.8	125.9
Total class 57	Carpets and other textile floor coverings of textile materials	0.034	—	—	—
general index of non oil exports		100	2.0	4.2	48.0

Indices of non-oil exports by section for year 2016 basis 2012

Table (3)

division HS	item	Base weight 2012	Value index	Quantity index	Price index
1 division	live animals; animal products	1.494	39.9	44.6	89.4
2 division	vegetable products	4.337	0.5	0.5	108.1
4 division	prepared foodstuffs	0.765	6.0	6.0	100.0
5 division	metal products	14.332	—	—	—
6 division	products of the chemical or allied industries	69.596	—	—	144.8
7 division	Plastics and products thereof	3.018	0.7	16.7	4.2
8 division	crude hides and skins	6.322	20.6	49.2	41.9
10 division	Paper and paperboard (carton) and Articles Thereof	0.047	—	—	—
11 division	Textile materials and articles thereof	0.092	39.4	31.3	125.9
general index of non oil exports		100	2.0	4.2	48.0

Exports Price Index Numbers For 2016 Base 2012



Note :

- 1 - The most important export commodities have been chosen in Iraq.
- 2 - The most productive governorates for export commodities have been chosen in Iraq.

Exports indices report for the year 2016

Exports index for the period (2008 - 2016) basis 2007

Table (4)

(2007=100)

year	Value		Quantity		price	
	Non oil exports	Total exports	Non oil exports	Total exports	Non oil exports	Toal exports
2008	107.3	142.1	108.3	113.3	99.1	125.4
2009	58.2	98.6	53.7	116.1	108.4	84.9
2010	44.9	124.5	42.9	115.3	104.7	108.0
2011	51.7	197.9	36.3	132.0	142.5	149.9
2012	33.0	218.5	24.3	148.1	135.7	147.5
2013	30.0	218.5	20.0	145.7	150.0	150.0
2014	24.0	203.2	15.7	153.0	153.1	132.8
2015	12.6	121.7	14.5	182.5	87.3	66.7
2016	2.0	50.7	4.2	135.9	48.0	37.3

Note1: All years (2008-2013) which has been calculated by 2007 as a base year are included in this table, i.e. all indices are actual based on 2007.

Note2: From 2014 above, index numbers will be calculated by linking chains for the base year 2007.