

## **Report of producer price index in the electricity sector in the summer 1396<sup>1</sup> (according to base year 1390)**

Producer price index is one of the economic indices and indicators which are used in analyzing and appraising the performance of economic programs. One of the divisions used for preparing this index is the division based on different economic sectors. Having developed producer price index in the electricity sector by peak load, average load and low load of consumption, the Statistical Centre of Iran (SCI), has taken a significant step in producing one of the economic indices in the country. Changes in producer price index of electricity sector indicate changes in the electricity price generated and sold by power plants to power distribution companies. This index is considered as the most important tool for reviewing electricity supply and measuring trend of prices and it has different functions such as estimation of national accounts by constant prices and evaluation of economic development plans.

Geographical coverage of this survey is the total country (national level) and price-related data are collected by Iran's Electricity Network Management Company through administrative data. The results are extracted and released quarterly and annually in the form of producer price index in the electricity sector based on the year 1390. Then, the report of the latest results related to producer price index in the electricity sector for the summer of the year 1396 has been presented.

Producer Price Index in the electricity sector in the summer of the year 1396 reached 131.66 which increased by 7.30 percent compared to the previous season (122.70) and dropped by 0.42 percent compared to the corresponding season (132.22) in the previous year. Percentage changes of the average general index of the electricity sector in the four seasons ending to the summer of the year 1396 decreased by 2.52 percent compared to the four seasons ending to the summer of the year 1395 (annual inflation rate), which grew over the same information in the spring of the year 1396 (-3.68 percent).

Producer Price Index in the electricity sector during peak load of consumption in the summer of the year 1396 reached 127.89 which increased by 8.35 and 1.01 percent compared to the previous season (118.03) and the corresponding season (126.61) in the previous year, respectively. Percentage changes of the average index in the electricity sector during peak load of consumption in the four seasons ending to the summer of the year 1396 decreased by 3.14 percent compared to the four seasons ending to the summer of the year 1395 (annual inflation rate) which grew over the same information in the spring 1396 (-4.28 percent).

Producer price index in the electricity sector during average load of consumption in the summer of the year 1396 reached 130.53 which increased by 5.84 percent compared to the previous season (123.33) and by 1.28 percent compared to the corresponding season (128.87) in the previous year. Percentage changes of the average index in the electricity sector during average load of

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<sup>1</sup> . It is the Iranian year which usually begins within a day of 21 March of the Gregorian calendar. To find the corresponding year of the Gregorian calendar, add 621 or 622 (depending on the time of the year) to a solar Hijri year. For example the corresponding year of the year 1396 in the Gregorian calendar is (21 March 2017-20 March 2018).

consumption in the four seasons ending to the summer of the year 1396 decreased by 1.85 percent compared to the four seasons ending to the summer of the year 1395 (annual inflation rate), which grew over the same information in the spring of the year 1396 (-3.22 percent).

Producer price index in the electricity sector during low load of consumption in the summer of the year 1396 reached 137.90 which increased by 9.93 percent compared to the previous season (125.44) and dropped by 5.28 percent compared to the corresponding season (145.59) in the previous year. Percentage changes of the average index in the electricity sector during the low load of consumption in the four seasons ending to the summer of the year 1396 decreased by 3.47 percent compared to the four seasons ending to the summer of the year 1395 (annual inflation rate) which grew over the same information in the spring of the year 1396 (-4.20 percent).

**Table 1. Producer price index in the electricity sector and its percentage changes in the summer of the year 1396**

(1390=100)

Description	Weight	Index	Percentage change compared to			
			Previous season	The same season in the previous year	Total seasons ending to the season related to the current year compared to the same period in the previous year	Four seasons ending to the related season compared to the same period in the previous year(inflation rate)
Total country	100.00	131.66	7.30	-0.42	-3.18	-2.52
Peak load of consumption	20.88	127.89	8.35	1.01	-3.30	-3.14
Average load of consumption	56.27	130.53	5.84	1.28	-1.59	-1.85
Low load of consumption	22.85	137.90	9.93	-5.28	-6.65	-3.47

**Table 2. General producer price index in the electricity sector and its percentage changes**

(1390=100)

Period	Index	Percentage change compared to			
		Previous season	The same season in the previous year	Total seasons ending to the season related to the current year compared to the same period in the previous year	Four seasons ending to the related season compared to the same period in the previous year (inflation rate)
<b>The year 1390</b>	100.00				
Spring	100.00	*	*	*	*
Summer	100.00	*	*	*	*
Autumn	100.00	*	*	*	*
Winter	100.00	*	*	*	*
<b>The year 1391</b>	104.63				
Spring	105.49	5.49	5.49	5.49	*
Summer	98.44	-6.68	-1.56	1.96	*
Autumn	107.60	9.31	7.60	3.84	*
Winter	107.01	-0.55	7.01	4.63	4.63
<b>The year 1392</b>	119.03				
Spring	113.51	6.08	7.61	7.61	5.20
Summer	106.05	-6.57	7.74	7.67	7.49

Autumn	130.22	22.79	21.02	12.28	11.00
Winter	126.33	-2.99	18.06	13.76	13.76
<b>The year 1393</b>	146.27				
Spring	156.67	24.02	38.02	38.02	21.73
Summer	141.35	-9.78	33.29	35.73	27.73
Autumn	150.04	6.15	15.22	28.10	25.74
Winter	137.01	-8.68	8.46	22.89	22.89
<b>The year 1394</b>	137.28				
Spring	143.25	4.55	-8.57	-8.57	10.09
Summer	139.17	-2.85	-1.54	-5.24	2.69
Autumn	139.13	-0.03	-7.27	-5.92	-2.76
Winter	127.58	-8.30	-6.88	-6.14	-6.14
<b>The year 1395</b>	131.10				
Spring	130.49	2.28	-8.91	-8.91	-6.17
Summer	132.22	1.33	-4.99	-6.98	-7.03
Autumn	128.31	-2.96	-7.77	-7.24	-7.15
Winter	133.39	3.96	4.55	-4.50	-4.50
<b>The year 1396</b>					
Spring	122.70	-8.01	-5.97	-5.97	-3.68
Summer	131.66	7.30	-0.42	-3.18	-2.52

**Table 3. Producer price index in the electricity sector during peak load of consumption and its percentage changes (1390=100)**

Period	Index	Percentage change compared to			
		Previous season	The same season in the previous year	Total seasons ending to the season related to the current year compared to the same period in the previous year	Four seasons ending to the related season compared to the same period in the previous year(inflation rate)
<b>The year 1390</b>	100.00				
Spring	100.00	*	*	*	*
Summer	100.00	*	*	*	*
Autumn	100.00	*	*	*	*
Winter	100.00	*	*	*	*
<b>The year 1391</b>	100.75				
Spring	103.60	3.60	3.60	3.60	*
Summer	95.65	-7.68	-4.35	-0.38	*
Autumn	101.13	5.73	1.13	0.13	*

Winter	102.64	1.50	2.64	0.75	0.75
<b>The year 1392</b>	111.69				
Spring	109.18	6.37	5.38	5.38	1.24
Summer	100.70	-7.77	5.28	5.33	3.60
Autumn	118.80	17.98	17.48	9.42	7.73
Winter	118.08	-0.61	15.04	10.85	10.85
<b>The year 1393</b>	137.24				
Spring	147.86	25.22	35.43	35.43	18.81
Summer	133.34	-9.82	32.41	33.98	25.25
Autumn	136.51	2.38	14.90	27.09	24.22
Winter	131.26	-3.84	11.16	22.88	22.88
<b>The year 1394</b>	129.81				
Spring	138.26	5.33	-6.49	-6.49	11.11
Summer	131.27	-5.06	-1.55	-4.15	3.71
Autumn	128.23	-2.32	-6.06	-4.77	-1.26
Winter	121.46	-5.28	-7.47	-5.42	-5.42
<b>The year 1395</b>	124.14				
Spring	127.70	5.14	-7.64	-7.64	-5.69
Summer	126.61	-0.86	-3.55	-5.65	-6.20
Autumn	118.04	-6.77	-7.94	-6.39	-6.66
Winter	124.21	5.23	2.26	-4.36	-4.36
<b>The year 1396</b>					
Spring	118.03	-4.98	-7.57	-7.57	-4.28
Summer	127.89	8.35	1.01	-3.30	-3.14

**Table 4. Periodical Producer price index in the electricity sector during average load of consumption and its percentage changes (1390=100)**

Period	Index	Percentage change compared to			
		Previous season	The same season in the previous year	Total seasons ending to the season related to the current year compared to the same period in the previous year	Four seasons ending to the related season compared to the same period in the previous year (inflation rate)
<b>The year 1390</b>	100.00				

Spring	100.00	*	*	*	*
Summer	100.00	*	*	*	*
Autumn	100.00	*	*	*	*
Winter	100.00	*	*	*	*
<b>The year 1391</b>	101.39				
Spring	104.16	4.16	4.16	4.16	*
Summer	95.88	-7.95	-4.12	0.02	*
Autumn	101.87	6.25	1.87	0.63	*
Winter	103.67	1.77	3.67	1.39	1.39
<b>The year 1392</b>	114.49				
Spring	111.56	7.61	7.10	7.10	2.18
Summer	102.70	-7.94	7.11	7.11	4.94
Autumn	122.10	18.90	19.87	11.41	9.49
Winter	121.59	-0.42	17.29	12.92	12.92
<b>The year 1393</b>	141.18				
Spring	153.55	26.28	37.64	37.64	21.06
Summer	136.55	-11.07	32.96	35.40	27.16
Autumn	141.86	3.89	16.18	28.42	25.80
Winter	132.78	-6.40	9.20	23.32	23.32
<b>The year 1394</b>	132.63				
Spring	141.64	6.54	-7.87	-7.87	10.54
Summer	134.42	-4.98	-1.56	-4.90	3.13
Autumn	131.72	-2	-7.15	-5.64	-2.38
Winter	122.90	-6.70	-7.44	-6.06	-6.06
<b>The year 1395</b>	126.80				
Spring	129.08	5.04	-8.75	-8.75	-6.25
Summer	128.87	-0.16	-4.12	-6.50	-6.89
Autumn	121.64	-5.75	-7.79	-6.91	-7.04
Winter	127.78	5.20	3.98	-4.39	-4.39
<b>The year 1396</b>					
Spring	123.33	-3.49	-4.46	-4.46	-3.22
Summer	130.53	5.84	1.28	-1.59	-1.85

**Table 5. Periodical Producer price index in the electricity sector during low load of consumption and its percentage changes (1390=100)**

Period	Index	Percentage change compared to
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		Previous season	The same season in the previous year	Total seasons ending to the season related to the current year compared to the same period in the previous year	Four seasons ending to the related season compared to the same period in the previous year(inflation rate)
<b>The year 1390</b>	100.00				
Spring	100.00	*	*	*	*
Summer	100.00	*	*	*	*
Autumn	100.00	*	*	*	*
Winter	100.00	*	*	*	*
<b>The year 1391</b>	116.16				
Spring	110.48	10.48	10.48	10.48	*
Summer	107.29	-2.89	7.29	8.88	*
Autumn	127.64	18.97	27.64	15.14	*
Winter	119.22	-6.59	19.22	16.16	16.16
<b>The year 1392</b>	136.92				
Spring	122.30	2.58	10.69	10.69	16.07
Summer	119.20	-2.53	11.11	10.90	16.90
Autumn	160.64	34.76	25.85	16.42	17.05
Winter	145.53	-9.41	22.06	17.87	17.87
<b>The year 1393</b>	167.04				
Spring	172.41	18.47	40.98	40.98	25.47
Summer	160.50	-6.91	34.65	37.85	30.86
Autumn	182.54	13.73	13.63	28.18	26.78
Winter	152.70	-16.34	4.93	22	22
<b>The year 1394</b>	155.57				
Spring	152.19	-0.34	-11.73	-11.73	8.39
Summer	158.09	3.88	-1.50	-6.80	1.01
Autumn	167.30	5.83	-8.53	-7.35	-4.64
Winter	144.71	-13.50	-5.23	-6.86	-6.86
<b>The year 1395</b>	148.05				
Spring	136.50	-5.68	-10.31	-10.31	-6.38
Summer	145.59	6.66	-7.91	-9.09	-7.97
Autumn	154.55	6.15	-7.63	-8.57	-7.76
Winter	155.58	0.67	7.51	-4.83	-4.83

<b>The year 1396</b>					
Spring	125.44	-19.38	-8.10	-8.10	-4.20
Summer	137.90	9.93	-5.28	-6.65	-3.47



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