

Government of India
Ministry of Commerce & Industry
Department of Industrial Policy & Promotion
Office of the Economic Adviser

Index of Eight Core Industries (Base: 2004-05=100)

November, 2016

1. The summary of the Index of Eight Core Industries (base: 2004-05) is given at the **Annexure**.
2. The Eight Core Industries comprise nearly 38 % of the weight of items included in the Index of Industrial Production (IIP). The combined Index of Eight Core Industries stands at 178.2 in November, 2016, which was 4.9 % **higher** compared to the index of November, 2015. Its cumulative growth during April to November, 2016-17 was 4.9 %.

Coal

3. Coal production (weight: 4.38 %) increased by 6.4 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 increased by 1.6 % over corresponding period of previous year.

Crude Oil

4. Crude Oil production (weight: 5.22 %) declined by 5.4 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 declined by 3.5 % over the corresponding period of previous year.

Natural Gas

5. The Natural Gas production (weight: 1.71 %) declined by 1.7 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 declined by 3.7 % over the corresponding period of previous year.

Refinery Products (93% of Crude Throughput)

6. Petroleum Refinery production (weight: 5.94%) increased by 2.0 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 increased by 8.0 % over the corresponding period of previous year.

Fertilizers

7. Fertilizer production (weight: 1.25%) increased by 2.4 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 increased by 4.5 % over the corresponding period of previous year.

Steel (Alloy + Non-Alloy)

8. Steel production (weight: 6.68%) increased by 5.6 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 increased by 8.2 % over the corresponding period of previous year.

Cement

9. Cement production (weight: 2.41%) increased by 0.5 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 increased by 4.3 % over the corresponding period of previous year.

Electricity

10. Electricity generation (weight: 10.32%) increased by 10.2 % in November, 2016 over November, 2015. Its cumulative index during April to November, 2016-17 increased by 5.4 % over the corresponding period of previous year.

Note 1: Data are provisional. Revision has been made based on revised data received for corresponding month of previous year in respect of Coal, Crude Oil, Natural Gas, Refinery Products, Fertilizer, Steel, Cement and Electricity. Accordingly, indices for the month of November, 2015 have been revised.

Note 2: Since October, 2016, Electricity generation data from Renewable sources is also included.

Note 3: Release of the index for December, 2016 will be on Tuesday, 31st January, 2017.

Performance of Eight Core Industries
Yearly Index & Growth Rate
 Base Year: 2004-05=100

INDEX

| Sector | Weight | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | Apr-Nov 2015-16 | Apr-Nov 2016-17 |
|----------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------------------|----------------------------|
| Coal | 4.379 | 141.5 | 148.1 | 150.0 | 162.2 | 169.7 | 153.3 | 155.7 |
| Crude Oil | 5.216 | 112.1 | 111.4 | 111.2 | 110.2 | 108.7 | 109.8 | 105.9 |
| Natural Gas | 1.708 | 149.7 | 128.1 | 111.5 | 106.0 | 101.5 | 103.7 | 99.9 |
| Refinery Products | 5.939 | 133.7 | 172.5 | 175.0 | 175.6 | 182.2 | 177.5 | 191.7 |
| Fertilizers | 1.254 | 103.8 | 100.2 | 101.8 | 101.7 | 114.1 | 111.9 | 116.9 |
| Steel | 6.684 | 174.0 | 181.1 | 201.9 | 211.4 | 208.6 | 207.6 | 224.6 |
| Cement | 2.406 | 175.2 | 188.7 | 194.5 | 205.3 | 215.1 | 206.2 | 215.1 |
| Electricity | 10.316 | 149.3 | 155.3 | 164.6 | 178.5 | 189.8 | 191.3 | 201.5 |
| Overall Index | 37.903 | 145.3 | 154.7 | 161.2 | 168.5 | 173.6 | 170.8 | 179.1 |

GROWTH RATES (in %)

| Sector | Weight | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | Apr-Nov 2015-16 | Apr-Nov 2016-17 |
|----------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------------------|----------------------------|
| Coal | 4.379 | 1.3 | 4.6 | 1.3 | 8.1 | 4.6 | 4.3 | 1.6 |
| Crude Oil | 5.216 | 1.0 | -0.6 | -0.2 | -0.9 | -1.4 | -0.4 | -3.5 |
| Natural Gas | 1.708 | -8.9 | -14.5 | -13.0 | -4.9 | -4.2 | -2.3 | -3.7 |
| Refinery Products | 5.939 | 3.1 | 29.0 | 1.5 | 0.3 | 3.7 | 2.3 | 8.0 |
| Fertilizers | 1.254 | 0.4 | -3.4 | 1.5 | -0.1 | 12.1 | 11.0 | 4.5 |
| Steel | 6.684 | 10.3 | 4.1 | 11.5 | 4.7 | -1.3 | -1.5 | 8.2 |
| Cement | 2.406 | 6.7 | 7.7 | 3.1 | 5.6 | 4.8 | 2.4 | 4.3 |
| Electricity | 10.316 | 8.1 | 4.0 | 6.0 | 8.4 | 6.3 | 5.8 | 5.4 |
| Overall Index | 37.903 | 5.0 | 6.5 | 4.2 | 4.5 | 3.0 | 2.5 | 4.9 |

[#]Refinery Products' yearly growth rate of 2012-13 is not comparable with other years on account of inclusion of RIL (SEZ) production data since April, 2012.

Performance of Eight Core Industries

Monthly Index & Growth Rate

Base Year: 2004-05=100

Index

| Sector | Coal | Crude Oil | Natural Gas | Refinery Products | Fertilizers | Steel | Cement | Electricity | Overall Index |
|---------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|---------------|---------------|
| Weight | 4.379 | 5.216 | 1.708 | 5.939 | 1.254 | 6.684 | 2.406 | 10.316 | 37.903 |
| Nov-15 | 180.9 | 107.3 | 102.6 | 184.4 | 118.9 | 198.2 | 186.1 | 183.9 | 169.9 |
| Dec-15 | 197.4 | 108.7 | 103.4 | 190.2 | 122.6 | 203.6 | 217.9 | 182.4 | 175.7 |
| Jan-16 | 200.4 | 107.3 | 92.5 | 194.7 | 118.5 | 216.7 | 236.1 | 187.3 | 180.7 |
| Feb-16 | 191.5 | 102.3 | 96.9 | 179.4 | 113.4 | 202.6 | 232.5 | 181.2 | 172.2 |
| Mar-16 | 221.1 | 108.1 | 96.0 | 201.9 | 119.1 | 219.7 | 244.6 | 196.3 | 188.0 |
| Apr-16 | 154.9 | 104.4 | 94.0 | 190.3 | 94.2 | 212.3 | 225.2 | 203.1 | 176.4 |
| May-16 | 164.8 | 108.7 | 100.3 | 188.3 | 116.9 | 237.6 | 227.0 | 203.9 | 183.7 |
| Jun-16 | 164.6 | 104.8 | 98.2 | 190.4 | 115.6 | 225.0 | 237.7 | 198.6 | 180.4 |
| Jul-16 | 140.9 | 108.7 | 102.2 | 200.3 | 114.1 | 207.6 | 212.8 | 193.2 | 173.7 |
| Aug-16 | 126.4 | 108.3 | 101.0 | 191.5 | 127.1 | 237.3 | 203.3 | 194.6 | 176.0 |
| Sep-16 | 135.2 | 103.0 | 98.2 | 186.1 | 122.0 | 233.4 | 206.4 | 199.8 | 176.1 |
| Oct-16 | 166.3 | 107.7 | 104.1 | 198.5 | 123.8 | 234.0 | 221.3 | 216.4 | 188.1 |
| Nov-16 | 192.4 | 101.6 | 100.9 | 188.0 | 121.8 | 209.2 | 187.1 | 202.7 | 178.2 |

Growth Rates (in %)

| Sector | Coal | Crude Oil | Natural Gas | Refinery Products | Fertilizers | Steel | Cement | Electricity | Overall Index |
|---------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|---------------|---------------|
| Weight | 4.379 | 5.216 | 1.708 | 5.939 | 1.254 | 6.684 | 2.406 | 10.316 | 37.903 |
| Nov-15 | 3.8 | -3.3 | -3.9 | 1.7 | 13.9 | -6.8 | -1.7 | 5.6 | 0.6 |
| Dec-15 | 6.1 | -4.1 | -6.1 | 2.1 | 13.1 | -4.4 | 3.2 | 2.7 | 0.9 |
| Jan-16 | 9.1 | -4.6 | -15.3 | 4.8 | 6.2 | -2.8 | 9.0 | 6.0 | 2.9 |
| Feb-16 | 3.9 | 0.8 | 1.2 | 8.1 | 16.3 | -0.5 | 13.5 | 9.2 | 5.7 |
| Mar-16 | 1.7 | -5.1 | -10.5 | 10.8 | 22.9 | 3.4 | 11.9 | 11.3 | 6.4 |
| Apr-16 | -0.9 | -2.3 | -6.8 | 17.9 | 7.8 | 6.1 | 4.4 | 14.7 | 8.5 |
| May-16 | 5.5 | -3.3 | -6.9 | 1.2 | 14.8 | 3.2 | 2.4 | 4.6 | 2.8 |
| Jun-16 | 12.0 | -4.3 | -4.5 | 3.5 | 9.8 | 2.4 | 10.3 | 8.1 | 5.2 |
| Jul-16 | 5.1 | -1.8 | 3.3 | 13.7 | -4.3 | -0.5 | 1.4 | 1.6 | 3.0 |
| Aug-16 | -9.2 | -3.9 | -5.7 | 3.5 | 5.7 | 17.0 | 3.1 | 0.1 | 3.2 |
| Sep-16 | -5.8 | -4.1 | -5.5 | 9.3 | 2.0 | 16.3 | 5.5 | 2.2 | 5.0 |
| Oct-16 | -1.6 | -3.2 | -1.4 | 15.1 | 0.8 | 16.9 | 6.2 | 2.8 | 6.6 |
| Nov-16 | 6.4 | -5.4 | -1.7 | 2.0 | 2.4 | 5.6 | 0.5 | 10.2 | 4.9 |
