

Ready Reckoner

Snapshot of India's Oil & Gas data

June, 2019



Petroleum Planning & Analysis Cell
(Ministry of Petroleum & Natural Gas)

As on 22.07.2019

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Highlights for the month

- Indigenous crude oil and condensate production during June 2019 was lower by 6.8% than that of June 2018. OIL, ONGC and PSC registered lower production of 4%, 5% and 11.7% respectively during June 2019 as compared to June 2018. On cumulative basis indigenous crude oil and condensate production of the country was lower by 6.8% during April - June 2019 as compared to the corresponding period of the previous year.
- Total crude oil processed during June 2019 was 20.3 MMT, which was 7.1% lower than June 2018. On cumulative basis total crude oil processed was 62.6 MMT which was lower by 2.2% during April-June 2019 as compared to the corresponding period of the previous year. Indian refineries processed 70.4% high sulphur crude during June 2019 as compared to 78.7% during June 2018.
- Production of petroleum products saw a de-growth of 9.3% and 2.4% during June 2019 and April-June 2019 respectively as compared to the corresponding period of the previous year
- Crude oil imports decreased by 13.4% and 2.2% during June 2019 and April-June 2019 respectively as compared to the same period of the previous year.
- POL products imports increased by 20.3% and 17.5% during June 2019 and April-June 2019 respectively as compared to the same period of the previous year. Increase in POL products imports during April-June 2019 was due to increase in all imports except naphtha, lubes/LOBS and fuel oil.
- Exports of POL products decreased by 11.4% during June 2019 and increased by 6.4% during April-June 2019 as compared to the same period of the previous year. Decrease in POL products exports during June 2019 was due to decrease in all exports except lubes/LOBS and fuel oil.
- Petroleum product consumption registered a de-growth of 1.7% in June 2019 and a cumulative de-growth of 0.2% during April-June 2019. Except for MS (10.8%), HSD (1.4%), LDO (21.3%) and products in 'others' category (13.3%), all other products registered de-growth during June 2019.

| |
|--|
| <ul style="list-style-type: none"> Total LPG consumption recorded a de-growth of 7.1% during June 2019 and a cumulative de-growth of 1.5% during April-June 2019. During June 2019, out of the five regions, Northern region had the highest share in total LPG consumption of 30.2% followed by Southern region at 28.8%, Western region at 22%, Eastern region at 16.3% and North Eastern region at 2.7%. |
| <ul style="list-style-type: none"> SKO consumption registered de-growth of 17.2% in June 2019 compared to 12.1% de-growth in June 2018. This was mainly because of reduced Q1, 2019-20 PDS SKO allocation to the states and voluntary surrender of allocation by some of the states. |
| <ul style="list-style-type: none"> Gross production of natural gas during June, 2019 was 2636 MMSCM which was lower by 1.6% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 8031 MMSCM for the current financial year till June, 2019 was lower by 0.5% compared with the corresponding period of the previous year. |
| <ul style="list-style-type: none"> LNG import for the month of June, 2019 was 2732 MMSCM which was 4.9 % higher than the corresponding month of the previous year. The cumulative import of 7924 MMSCM for the current year till June, 2019 was higher by 5.9% compared with the corresponding period of the previous year. |
| <ul style="list-style-type: none"> The price of Brent Crude averaged \$64.10/bbl during June 2019 as against \$71.12/bbl during May 2019 and \$74.33/bbl during June 2018. The Indian basket crude price averaged \$62.39/bbl during June 2019 as against \$70.02/bbl during May 2019 and \$73.83 /bbl during June 2018. |

1. Selected indicators of the Indian economy

| Economic indicators | | Unit/ Base | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---------------------|--|------------|---------|---------|---------------------------|---------------------------|---------------------------|-----------------------------|
| 1 | Population (as on 1 st May, 2011) | Billion | 1.2 | - | - | - | - | - |
| 2 | GDP at constant (2011-12 Prices) | Growth % | 6.4 | 7.4 | 8.0 3 rd RE | 8.2 2 nd RE | 7.2 1 st RE | 6.8 PE |
| 3 | Agricultural Production (Food grains) | MMT | 265.1 | 252.0 | 251.5 | 275.1 | 285.0 FE | 283.4 3 rd AE |
| | | Growth % | 3.1 | -4.9 | -0.2 | 9.4 | 3.6 | -0.6 |
| 4 | Gross Fiscal Deficit | % | -4.5 | -4.1 | -3.9 | -3.5 | -3.5 | -3.4 RE |

| Economic indicators | | Unit/ Base | 2017-18 | 2018-19 (P) | June (P) | | April-June (P) | |
|---------------------|--|------------|---------|-------------|----------|------------|------------------|------------------|
| | | | | | 2018-19 | 2019-20 | 2018-19 | 2019-20 |
| 5 | Index of Industrial Production (Base: 2011-12) | Growth % | 4.4 | 3.6 | 3.8* | 3.1* QE | 4.1 [#] | 3.7 [#] |
| 6 | Imports | \$ Billion | 465.6 | 514.0 | 44.3 | 40.3 | 127.4 | 127.0 |
| 7 | Exports | \$ Billion | 303.5 | 330.1 | 27.7 | 25.0 | 82.5 | 81.1 |
| 8 | Trade Balance | \$ Billion | -162.1 | -184.0 | -16.6 | -15.3 | -44.9 | -46.0 |
| 9 | Foreign Exchange Reserves [@] | \$ Billion | 424.4 | 411.9 | 406.1 | 427.7 | - | - |

IIP is for the month of *May, [#]April-May; [@]2017-18-as on March 30, 2018, 2018-19-as on March 29, 2019, June 2018- as on June 29, 2018 and June 2019-as on June 28, 2019; AE-Advanced Estimates; RE-Revised Estimates; QE-Quick Estimates; FE: Final Estimates; PE: Provisional Estimates.

Source: Ministry of Commerce & Industry, Ministry of Agriculture & Farmer's Welfare, Reserve Bank of India

2. Crude oil, LNG and petroleum products at a glance

| Details | | Unit/ Base | 2017-18 | 2018-19 (P) | June (P) | | April-June (P) | |
|--|---|------------|---------|----------------|----------|---------|----------------|---------|
| | | | | | 2018-19 | 2019-20 | 2018-19 | 2019-20 |
| 1 | Crude oil production in India | MMT | 35.7 | 34.2 | 2.9 | 2.7 | 8.8 | 8.2 |
| 2 | Consumption of petroleum products | MMT | 206.2 | 211.6 | 18.0 | 17.7 | 54.4 | 54.2 |
| 3 | Production of petroleum products | MMT | 254.3 | 262.4 | 22.7 | 20.6 | 65.1 | 63.5 |
| 4 | Gross natural gas production | MMSCM | 32,649 | 32,873 | 2,678 | 2,636 | 8,069 | 8,031 |
| 5 | Natural gas consumption | MMSCM | 59,170 | 60,747 | 5,218 | 5,289 | 15,357 | 15,723 |
| 6 | Imports & exports: | | | | | | | |
| Crude oil imports | | MMT | 220.4 | 226.6 | 19.5 | 16.9 | 56.7 | 55.4 |
| | | \$ Billion | 87.8 | 112.0 | 10.2 | 8.0 | 28.7 | 27.3 |
| Petroleum products (POL) imports | | MMT | 35.5 | 32.5 | 2.9 | 3.4 | 8.5 | 9.9 |
| | | \$ Billion | 13.6 | 16.2 | 1.4 | 1.5 | 4.1 | 4.3 |
| Gross petroleum imports (Crude + POL) | | MMT | 255.9 | 259.2 | 22.3 | 20.3 | 65.2 | 65.4 |
| | | \$ Billion | 101.4 | 128.2 | 11.6 | 9.5 | 32.8 | 31.6 |
| Petroleum products exports | | MMT | 66.8 | 61.1 | 5.3 | 4.7 | 13.7 | 14.6 |
| | | \$ Billion | 34.9 | 38.2 | 3.6 | 2.6 | 9.1 | 8.6 |
| LNG imports | | MMSCM | 27,439 | 28,692 | 2,605 | 2,732 | 7,482 | 7,924 |
| | | \$ Billion | 8.1 | 10.3 | 0.9 | 0.9 | 2.5 | 2.4 |
| 7 | Petroleum imports as percentage of India's gross imports (in value terms) | % | 21.8 | 24.9 | 26.3 | 23.7 | 25.7 | 24.9 |
| 8 | Petroleum exports as percentage of India's gross exports (in value terms) | % | 11.5 | 11.6 | 12.8 | 10.2 | 11.1 | 10.6 |
| 9 | Import dependency of crude (on consumption basis) | % | 82.9 | 83.7 | 83.7 | 83.9 | 83.8 | 85.2 |

May- June 2019 private import (POL) quantity is prorated on the basis of May 2018 - April 2019 actual data provided by DGCIS.

Note: Crude oil imports (\$ Billion) during 2018-19 does not include value of crude oil quantity of 0.8 MMT imported at ISPRL, Mangalore.

3. Indigenous crude oil production (Million Metric Tonnes)

| Details | 2017-18 | 2018-19 (P) | June | | | April-June | | |
|--|-------------|----------------|----------------|----------------------|----------------|----------------|----------------------|----------------|
| | | | 2018-19 (P) | 2019-20 (Target)* | 2019-20 (P) | 2018-19 (P) | 2019-20 (Target)* | 2019-20 (P) |
| ONGC | 20.8 | 19.6 | 1.6 | 1.7 | 1.6 | 5.0 | 5.2 | 4.8 |
| Oil India Limited (OIL) | 3.4 | 3.3 | 0.3 | 0.3 | 0.3 | 0.8 | 0.8 | 0.8 |
| Private / Joint Ventures (JVs) | 9.9 | 9.6 | 0.8 | 0.8 | 0.7 | 2.5 | 2.4 | 2.2 |
| Total Crude Oil | 34.0 | 32.5 | 2.7 | 2.8 | 2.5 | 8.4 | 8.4 | 7.8 |
| ONGC condensate | 1.5 | 1.5 | 0.1 | | 0.1 | 0.4 | | 0.4 |
| PSC condensate | 0.2 | 0.2 | 0.02 | | 0.02 | 0.06 | | 0.06 |
| Total condensate | 1.6 | 1.7 | 0.1 | | 0.1 | 0.4 | | 0.4 |
| Total (Crude + Condensate) (MMT) | 35.7 | 34.2 | 2.9 | 2.8 | 2.7 | 8.8 | 8.4 | 8.2 |
| Total (Crude + Condensate) (Million Bbl) | 261.6 | 250.7 | 21.1 | 20.7 | 19.7 | 64.6 | 61.9 | 60.2 |

*Target is inclusive of condensate.

4. Domestic oil & gas production vis-à-vis overseas production

| Details | 2017-18 | 2018-19 (P) | June (P) | | April-June (P) | |
|---|--------------|----------------|--------------|--------------|----------------|--------------|
| | | | 2018-19 | 2019-20 | 2018-19 | 2019-20 |
| Total domestic production (MMTOE) | 68.3 | 67.1 | 5.6 | 5.3 | 16.9 | 16.2 |
| Overseas production (MMTOE) | 22.7 | 24.7 | 2.0 | 2.0 | 6.1 | 6.2 |
| Overseas production as percentage of domestic production | 33.2% | 36.8% | 35.1% | 38.0% | 35.9% | 38.4% |

Source: ONGC Videsh, GAIL, OIL, IOCL, HPCL & BPRL; Note: IOCL data for 2017-18 revised.

5. High Sulphur (HS) & Low Sulphur (LS) crude oil processing (MMT)

| Details | | 2017-18 | 2018-19 | June (P) | | April-June (P) | |
|---|--------------------|--------------|--------------|--------------|--------------|----------------|--------------|
| | | | | 2018-19 | 2019-20 | 2018-19 | 2019-20 |
| 1 | High Sulphur crude | 188.4 | 194.0 | 17.2 | 14.3 | 48.8 | 46.3 |
| 2 | Low Sulphur crude | 63.6 | 63.3 | 4.7 | 6.0 | 15.1 | 16.3 |
| Total crude processed | | 251.9 | 257.2 | 21.9 | 20.3 | 64.0 | 62.6 |
| Percentage share of HS crude in total crude oil processing | | 74.8% | 75.4% | 78.7% | 70.4% | 76.4% | 73.9% |

6. Quantity and value of crude oil imports

| Year | Quantity (MMT) | \$ Million | Rs. Crore |
|---------------------|----------------|------------|-----------|
| 2018-19 (P) | 226.6 | 111,956 | 7,83,427 |
| 2019-20 (Estimated) | 233.0 | 112,721 | 8,00,317 |

Note: 2019-20 imports are estimated at average price of Indian basket crude oil \$66/bbl and average exchange rate for Rs.71/\$.

Impact of variation in crude oil price & exchange rate on value of crude oil imports for April 2019 - March 2020 :

If crude prices changes by one \$/bbl - Crude oil import bill changes by Rs. 12,126 crores

If exchange rate of Rs./\$ changes by Rs. 1/\$ - Crude oil import bill changes by Rs. 11,272 crores

7. Self-sufficiency in petroleum products (Million Metric Tonnes)

| Particulars | | 2017-18 | 2018-19 | June (P) | | April-June (P) | |
|-----------------------------------|---|--------------|--------------|--------------|--------------|----------------|--------------|
| | | | | 2018-19 | 2019-20 | 2018-19 | 2019-20 |
| 1 | Indigenous crude oil processing | 32.8 | 31.7 | 2.7 | 2.6 | 8.2 | 7.3 |
| 2 | Products from indigenous crude (93.3% of crude oil processed) | 30.6 | 29.6 | 2.5 | 2.5 | 7.6 | 6.8 |
| 3 | Products from fractionators (Including LPG and Gas) | 4.6 | 4.9 | 0.4 | 0.4 | 1.2 | 1.2 |
| 4 | Total production from indigenous crude & condensate (2 + 3) | 35.2 | 34.5 | 2.9 | 2.8 | 8.8 | 8.0 |
| 5 | Total domestic consumption* | 206.2 | 211.6 | 18.0 | 17.7 | 54.4 | 54.2 |
| % Self-sufficiency (4 / 5) | | 17.1% | 16.3% | 16.3% | 16.1% | 16.2% | 14.8% |

*Total domestic consumption of petroleum products for FY 2018-19 are provisional

8. Refineries: Installed capacity and crude oil processing (MMTPA / MMT)

| Company | Refinery | Installed capacity (1.7.2019) MMTPA | Crude oil processing (MMT) | | | | | | | |
|---------|-------------------|---|----------------------------|-------------|----------------|----------------------|----------------|----------------|----------------------|----------------|
| | | | 2017-18 | 2018-19 | June | | | April-June | | |
| | | | | | 2018-19 (P) | 2019-20 (Target)* | 2019-20 (P) | 2018-19 (P) | 2019-20 (Target)* | 2019-20 (P) |
| IOCL | Barauni (1964) | 6.0 | 5.8 | 6.7 | 0.5 | 0.6 | 0.6 | 1.6 | 1.7 | 1.7 |
| | Koyali (1965) | 13.7 | 13.8 | 13.5 | 1.2 | 1.0 | 0.9 | 3.6 | 2.5 | 2.4 |
| | Haldia (1975) | 7.5 | 7.7 | 8.0 | 0.7 | 0.7 | 0.7 | 2.0 | 2.1 | 2.1 |
| | Mathura (1982) | 8.0 | 9.2 | 9.7 | 0.8 | 0.8 | 0.9 | 2.5 | 2.6 | 2.6 |
| | Panipat (1998) | 15.0 | 15.7 | 15.3 | 1.3 | 1.3 | 1.3 | 4.1 | 3.9 | 3.8 |
| | Guwahati (1962) | 1.0 | 1.0 | 0.9 | 0.09 | 0.08 | 0.08 | 0.3 | 0.2 | 0.2 |
| | Digboi (1901) | 0.65 | 0.7 | 0.7 | 0.06 | 0.05 | 0.05 | 0.2 | 0.2 | 0.2 |
| | Bongaigaon(1979) | 2.35 | 2.4 | 2.5 | 0.2 | 0.2 | 0.2 | 0.6 | 0.6 | 0.6 |
| | Paradip (2016) | 15.0 | 12.7 | 14.6 | 1.2 | 1.3 | 1.1 | 2.8 | 3.9 | 3.7 |
| | IOCL-TOTAL | 69.2 | 69.0 | 71.8 | 6.1 | 6.1 | 5.8 | 17.7 | 17.6 | 17.3 |
| CPCL | Manali (1969) | 10.5 | 10.3 | 10.3 | 0.9 | 0.9 | 0.9 | 2.5 | 2.7 | 2.6 |
| | CBR (1993) | 1.0 | 0.5 | 0.4 | 0.04 | 0.0 | 0.0 | 0.11 | 0.0 | 0.0 |
| | | CPCL-TOTAL | 11.5 | 10.8 | 10.7 | 0.9 | 0.9 | 0.9 | 2.6 | 2.7 |
| BPCL | Mumbai (1955) | 12.0 | 14.1 | 14.8 | 1.3 | 0.5 | 0.6 | 3.7 | 3.0 | 3.1 |
| | Kochi (1966) | 15.5 | 14.1 | 16.1 | 1.3 | 1.4 | 1.5 | 4.0 | 4.2 | 4.4 |
| BORL | Bina (2011) | 7.8 | 6.7 | 5.7 | 0.6 | 0.6 | 0.7 | 1.7 | 1.9 | 2.1 |
| NRL | Numaligarh (1999) | 3.0 | 2.8 | 2.9 | 0.2 | 0.3 | 0.2 | 0.7 | 0.8 | 0.7 |
| | BPCL-TOTAL | 38.3 | 37.7 | 39.4 | 3.4 | 2.8 | 3.0 | 10.2 | 9.9 | 10.2 |

| Company | Refinery | Installed capacity (1.7.2019) (MMTPA) | Crude oil processing (MMT) | | | | | | | |
|------------------|-----------------------|---|----------------------------|--------------|----------------|----------------------|----------------|----------------|----------------------|----------------|
| | | | 2017-18 | 2018-19 | June | | | April-June | | |
| | | | | | 2018-19 (P) | 2019-20 (Target)* | 2019-20 (P) | 2018-19 (P) | 2019-20 (Target)* | 2019-20 (P) |
| ONGC | Tatipaka (2001) | 0.066 | 0.08 | 0.07 | 0.003 | 0.001 | 0.008 | 0.016 | 0.009 | 0.022 |
| MRPL | Mangalore (1996) | 15.0 | 16.1 | 16.2 | 1.4 | 1.4 | 0.9 | 3.9 | 3.3 | 2.6 |
| | ONGC-TOTAL | 15.1 | 16.2 | 16.3 | 1.4 | 1.4 | 0.9 | 3.9 | 3.3 | 2.6 |
| HPCL | Mumbai (1954) | 7.5 | 8.6 | 8.7 | 0.7 | 0.7 | 0.7 | 2.1 | 2.0 | 1.6 |
| | Visakh (1957) | 8.3 | 9.6 | 9.8 | 0.8 | 0.8 | 0.8 | 2.4 | 2.4 | 2.4 |
| HMEL | Bathinda (2012) | 11.3 | 8.8 | 12.5 | 1.0 | 0.9 | 1.1 | 3.1 | 2.7 | 3.2 |
| | HPCL- TOTAL | 27.1 | 27.1 | 30.9 | 2.5 | 2.4 | 2.5 | 7.6 | 7.2 | 7.1 |
| RIL | Jamnagar (DTA) (1999) | 33.0 | 33.2 | 31.8 | 2.7 | 2.7 | 2.4 | 8.2 | 8.2 | 8.0 |
| | Jamnagar (SEZ) (2008) | 35.2 | 37.3 | 37.4 | 3.1 | 3.1 | 3.1 | 8.6 | 8.6 | 9.6 |
| NEL [#] | Vadinar (2006) | 20.0 | 20.7 | 18.9 | 1.7 | 1.7 | 1.7 | 5.2 | 5.2 | 5.2 |
| All India | | 249.4 | 251.9 | 257.2 | 21.9 | 21.1 | 20.3 | 64.0 | 62.7 | 62.6 |

[#]Nayara Energy Limited (formerly Essar Oil Limited). Note: Some sub-totals/ totals may not add up due to rounding off at individual levels.

9. Major crude oil and product pipeline network (as on 01.07.2019)

| Details | | ONGC | OIL | Cairn | HMEL | IOCL | BPCL | HPCL | Others* | Total |
|-----------|-------------|-------|-------|-------|-------|-------|-------|-------|---------|---------------|
| Crude Oil | Length (KM) | 1,283 | 1,193 | 688 | 1,017 | 5,301 | 937 | - | - | 10,419 |
| | Cap (MMTPA) | 60.6 | 9.0 | 10.7 | 11.3 | 48.6 | 7.8 | - | - | 147.9 |
| Products | Length (KM) | - | 654 | - | - | 8,830 | 2,241 | 3,371 | 2,395 | 17,491 |
| | Cap (MMTPA) | - | 1.7 | - | - | 45.6 | 19.5 | 29.4 | 9.4 | 105.6 |

*Others include GAIL and Petronet India. HPCL and BPCL lubes pipeline included in products pipeline data

10. Gross Refining Margins (GRM) of refineries (\$/bbl)

| Company | Refinery | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|------------------|-------------------------|-------------|-------------|-------------|-------------|
| IOCL | Barauni | 2.93 | 6.52 | 6.60 | 3.86 |
| | Koyali | 6.80 | 7.55 | 9.44 | 4.87 |
| | Haldia | 3.96 | 6.80 | 6.86 | 5.36 |
| | Mathura | 3.30 | 7.01 | 7.09 | 4.65 |
| | Panipat | 4.15 | 7.95 | 7.74 | 4.66 |
| | Guwahati ** | 15.88 | 22.14 | 21.88 | 16.35 |
| | Digboi ** | 16.17 | 24.49 | 24.86 | 22.74 |
| | Bongaigaon ** | 11.09 | 20.15 | 20.62 | 16.94 |
| | Paradip # | -0.65 | 4.22 | 7.02 | 4.46 |
| | Weighted average | 5.06 | 7.77 | 8.49 | 5.41 |
| BPCL | Kochi | 6.87 | 5.16 | 6.44 | 4.27 |
| | Mumbai | 6.37 | 5.36 | 7.26 | 4.92 |
| | Weighted average | 6.59 | 5.26 | 6.85 | 4.58 |
| HPCL | Mumbai | 8.09 | 6.95 | 8.35 | 5.79 |
| | Visakhapatnam | 5.46 | 5.51 | 6.55 | 4.31 |
| | Weighted average | 6.68 | 6.20 | 7.40 | 5.01 |
| CPCL | Chennai | 5.27 | 6.05 | 6.42 | 3.70 |
| MRPL | Mangalore | 5.20 | 7.75 | 7.54 | 4.06 |
| NRL | Numaligarh ** | 23.68 | 28.56 | 31.92 | 28.11 |
| BORL | Bina | 11.70 | 11.80 | 11.70 | 9.80 |
| RIL | Jamnagar | 10.80 | 11.00 | 11.60 | 9.20 |
| NEL [@] | Vadinar | 10.81 | 9.14 | 8.95 | * |

*Data not available; ** GRM of North Eastern refineries are including excise duty benefit. For GRM excluding excise duty benefit, refer table

11; # Commissioned in February, 2016; [@]Nayara Energy Limited (formerly Essar Oil Limited)

11. GRM of North-East refineries excluding excise duty benefit (\$/bbl)

| Company | Refinery | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---------|------------|---------|---------|---------|---------|
| IOCL | Guwahati | 1.26 | 1.12 | 3.70 | 0.63 |
| | Digboi | 4.16 | 7.73 | 8.27 | 8.84 |
| | Bongaigaon | 0.08 | 6.03 | 6.22 | 4.21 |
| NRL | Numaligarh | 8.06 | 8.50 | 11.43 | 11.80 |

12. Production and consumption of petroleum products (Million Metric Tonnes)

| Products | 2018-19 (P) | | June 2018 (P) | | June 2019 (P) | | April-June 2018 (P) | | April-June 2019 (P) | |
|-------------------|--------------|--------------|---------------|-------------|---------------|--------------|---------------------|-------------|---------------------|--------------|
| | Prod | Cons | Prod | Cons | Prod | Cons | Prod | Cons | Prod | Cons |
| LPG | 12.8 | 24.9 | 1.1 | 1.9 | 1.0 | 1.8 | 3.2 | 5.8 | 3.0 | 5.8 |
| MS | 38.0 | 28.3 | 3.4 | 2.4 | 3.2 | 2.6 | 9.7 | 7.1 | 9.6 | 7.8 |
| NAPHTHA | 19.6 | 14.1 | 1.6 | 1.0 | 1.5 | 1.0 | 4.7 | 3.3 | 4.4 | 2.7 |
| ATF | 15.5 | 8.3 | 1.3 | 0.7 | 1.2 | 0.7 | 3.8 | 2.1 | 3.7 | 2.0 |
| SKO | 4.1 | 3.5 | 0.4 | 0.3 | 0.3 | 0.3 | 1.1 | 0.9 | 0.9 | 0.8 |
| HSD | 110.6 | 83.5 | 9.8 | 7.3 | 8.9 | 7.4 | 27.8 | 22.1 | 27.3 | 22.5 |
| LDO | 0.7 | 0.6 | 0.04 | 0.04 | 0.05 | 0.05 | 0.1 | 0.1 | 0.2 | 0.1 |
| LUBES | 0.9 | 3.9 | 0.1 | 0.4 | 0.1 | 0.3 | 0.3 | 0.9 | 0.2 | 0.9 |
| FO/LSHS | 10.0 | 6.5 | 0.7 | 0.5 | 0.7 | 0.5 | 2.0 | 1.6 | 2.2 | 1.5 |
| BITUMEN | 5.6 | 6.6 | 0.5 | 0.6 | 0.4 | 0.5 | 1.7 | 2.0 | 1.4 | 1.8 |
| PET COKE | 13.7 | 20.5 | 1.2 | 1.9 | 1.1 | 1.5 | 3.5 | 5.9 | 3.4 | 5.2 |
| OTHERS | 31.0 | 11.0 | 2.6 | 0.9 | 2.2 | 1.0 | 7.3 | 2.5 | 7.3 | 3.1 |
| ALL INDIA | 262.4 | 211.6 | 22.7 | 18.0 | 20.6 | 17.7 | 65.1 | 54.4 | 63.5 | 54.2 |
| Growth (%) | 3.2% | 2.7% | 12.2% | 8.9% | -9.3% | -1.7% | 6.6% | 5.0% | -2.4% | -0.2% |

Note: Prod - Production; Cons - Consumption

13. LPG consumption (Thousand Metric Tonne)

| LPG category | 2017-18 | 2018-19 (P) | June (P) | | | April-June (P) | | |
|-----------------------------------|-----------------|-----------------|----------------|----------------|-------------|----------------|----------------|-------------|
| | | | 2018-19 | 2019-20 | Gr (%) | 2018-19 | 2019-20 | Gr (%) |
| 1. PSU Sales : | | | | | | | | |
| LPG-Packed Domestic | 20,351.8 | 21,732.5 | 1,681.2 | 1,563.4 | -7.0 | 5,083.1 | 5,012.7 | -1.4 |
| LPG-Packed Non-Domestic | 2,085.8 | 2,358.8 | 179.8 | 174.3 | -3.1 | 545.9 | 563.8 | 3.3 |
| LPG-Bulk | 355.4 | 322.0 | 28.2 | 16.5 | -41.4 | 88.7 | 60.4 | -31.9 |
| Auto LPG | 184.4 | 180.3 | 15.4 | 13.3 | -13.6 | 45.6 | 41.7 | -8.4 |
| Sub-Total (PSU Sales) | 22,977.4 | 24,593.6 | 1,904.7 | 1,767.6 | -7.2 | 5,763.3 | 5,678.7 | -1.5 |
| 2. Direct Private Imports* | 364.5 | 324.4 | 26.0 | 26.1 | 0.2 | 79.4 | 73.8 | -7.0 |
| Total (1+2) | 23,341.8 | 24,918.0 | 1,930.7 | 1,793.7 | -7.1 | 5,842.7 | 5,752.5 | -1.5 |

*May-June 2019 import data are prorated on the basis of May 2018 to April 2019 actual data provided by DGCIS.

14. Kerosene allocation vs upliftment (Kilo Litres)

| Product | 2016-17 | | 2017-18 | | 2018-19 (P) | | Q1, 2019-20 (P) | |
|--------------|------------|------------|------------|------------|-------------|------------|-----------------|------------|
| | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment |
| PDS Kerosene | 69,33,030 | 66,78,447 | 50,21,828 | 46,69,160 | 44,32,994 | 41,52,117 | 10,32,204 | 9,49,210 |

15. Ethanol blending programme

| Particulars | Ethanol Supply Year * | | | |
|---|-----------------------|---------|---------|--------------------------------|
| | 2015-16 | 2016-17 | 2017-18 | 2018-19 (Dec 2018-Jun 2019) |
| Ethanol received by PSU OMCs under EBP Program (in Cr. Litrs) | 111.4 | 66.5 | 150.5 | 136.1 |
| Average Percentage of Blending Sales (EBP%) | 3.5% | 2.0% | 4.2% | 6.1% |

* **Ethanol Supply Year** : Ethanol supplies take place between 1st December of the present year to 30th November of the following year.

Note: With effect from 01.04.2019, EBP Programme has been extended to whole of India except UTs of Andaman Nicobar and Lakshadweep.

16. Industry marketing infrastructure (as on 01.07.2019) (Provisional)

| Particulars | IOCL | BPCL | HPCL | RIL | NEL ^{##} | SHELL | Others | Total |
|--|--------|--------|--------|-------|-------------------|-------|--------|--------|
| POL Terminal/ Depots (Nos.) [§] | 125 | 78 | 83 | 18 | 3 | - | 6 | 313 |
| Aviation Fuel Stations (Nos.) [@] | 118 | 56 | 43 | 31 | - | - | 1 | 249 |
| Retail Outlets (total) (Nos.) [^] | 27,800 | 14,903 | 15,471 | 1,400 | 5,244 | 151 | 7 | 64,976 |
| out of which Rural ROs | 7,903 | 2,238 | 3,492 | 127 | 1,864 | 21 | - | 15,645 |
| SKO/LDO agencies (Nos.) | 3,889 | 1,001 | 1,638 | - | - | - | - | 6,528 |
| LPG Distributors (total) (Nos.) (PSUs only) | 11,986 | 5,954 | 5,893 | - | - | - | - | 23,833 |
| LPG Bottling plants (Nos.) (PSUs only) [#] | 89 | 51 | 49 | - | - | - | 3 | 192 |
| LPG Bottling capacity (TMTPA) (PSUs only) ^{&} | 9,666 | 4,182 | 4,317 | - | - | - | 173 | 18,338 |
| LPG active domestic consumers (Nos. crore) (PSUs only) | 12.5 | 6.7 | 7.3 | - | - | - | - | 26.5 |

[§](RIL= 5 terminals and 13 depots, Others=4 MRPL & 2 NRL); [@](Others=ShellMRPL -1); [^](Others=MRPL-7); [#](Others=NRL-1, OIL-1, CPCL-1); [&](Others=NRL-30, OIL-23, CPCL-120); ^{##}Nayara Energy Limited (formerly Essar Oil Limited).

17. Natural gas at a glance

| Details | 2017-18 | 2018-19 (P) | June | | | April-June | | |
|---|---------|----------------|----------------|---------------------|-------------|----------------|---------------------|-------------|
| | | | 2018-19 (P) | 2019-20 (Target) | 2019-20 (P) | 2018-19 (P) | 2019-20 (Target) | 2019-20 (P) |
| | | | | | | | | |
| (a) Gross production | 32,649 | 32,873 | 2,678 | 2,789 | 2,636 | 8,069 | 8,441 | 8,031 |
| - ONGC | 23,429 | 24,675 | 1,953 | 2,040 | 2,008 | 5,906 | 6,267 | 6,128 |
| - Oil India Limited (OIL) | 2,881 | 2,722 | 220 | 279 | 225 | 669 | 843 | 680 |
| - Private / Joint Ventures (JVs) | 6,338 | 5,477 | 505 | 469 | 404 | 1,493 | 1,332 | 1,223 |
| (b) Net availability (excluding flare gas and loss) | 31,731 | 32,056 | 2,613 | | 2,558 | 7,874 | | 7,799 |
| (c) LNG import | 27,439 | 28,692 | 2,605 | | 2,732 | 7,482 | | 7,924 |
| (d) Total consumption including internal consumption (b+c) | 59,170 | 60,747 | 5,218 | | 5,289 | 15,357 | | 15,723 |
| (e) Total consumption (in BCM) | 59.2 | 60.7 | 5.2 | | 5.3 | 15.4 | | 15.7 |
| (f) Import dependency based on consumption (%), {c/d*100} | 46.4 | 47.2 | 49.9 | | 51.6 | 48.7 | | 50.4 |

Note: May-June 2019 private import (LNG) quantity is prorated on the basis of May 2018-April 2019 actual data provided by DGCIS.

18. Coal Bed Methane (CBM) gas development in India

| | | | |
|------------------------------------|---------------------|--------|--------|
| Prognosticated CBM resources | | 92 | TCF |
| Established CBM resources | | 9.9 | TCF |
| Total available coal bearing areas | | 26,000 | Sq. KM |
| Exploration initiated | | 16,613 | Sq. KM |
| Blocks awarded | | 33 | Nos. |
| Production of CBM gas | June 2019 (P) | 54.2 | MMSCM |
| Production of CBM gas | April-June 2019 (P) | 164.0 | MMSCM |

19. Major natural gas pipeline network as on 01.07.2019

| Nature of pipeline | | GAIL | Reliance | GSPL | ARN [^] | IOCL | Total |
|--------------------|--------------|--------|----------|-------|------------------|------|--------|
| Natural gas | Length (KM) | 11,411 | 1,784 | 2,692 | 297 | 140 | 16,324 |
| | Cap (MMSCMD) | 230 | 71 | 43 | 3 | 10 | 356 |

[^]Excludes CGD pipeline network

20. Existing LNG terminals

| Location | Promoters | Capacity as on 01.06.2019 | Capacity utilisation in % April-June 2019 (P) |
|-----------------------|------------------------------|---------------------------|--|
| Dahej | Petronet LNG Ltd (PLL) | 15 MMTPA | 108.8% |
| Hazira | Shell Energy India Pvt. Ltd. | 5 MMTPA | 95.5% |
| Dabhol | RGPPL (GAIL - NTPC JV) | 1.692 MMTPA* | 2.9% |
| Kochi | Petronet LNG Ltd (PLL) | 5 MMTPA | 12.0% |
| Total Capacity | | 26.7 MMTPA | |

* To increase to 5 MMTPA with breakwater

21. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.07.2019

| State | Entity operating | Geographical area/City | CNG stations | No. of CNG vehicles | PNG connections | | |
|--------------------------|---|---|--------------|---------------------|-----------------|------------|------------|
| | | | | | Domestic | Commercial | Industrial |
| Andhra Pradesh | Bhagyanagar Gas Ltd, Godavari Gas Pvt.Ltd., Megha Engineering & Infrastructures Ltd. | Kakinada, Vijaywada, East/West Godavari, Krishna district GA (excluding areas already authorized) | 46 | 19,860 | 32,992 | 131 | 5 |
| Assam | Assam Gas Co. Ltd | Upper Assam GA | 0 | 0 | 33,200 | 1,087 | 402 |
| Bihar | GAIL (India) Ltd. | Patna | 2 | 1,321 | 311 | 0 | 0 |
| Chandigarh | Indian Oil-Adani Gas Pvt. Ltd. | Chandigarh | 7 | 7,500 | 12,187 | 4 | 1 |
| Daman and Diu | Indian Oil-Adani Gas Pvt. Ltd. | Daman | 3 | 1,000 | 592 | 23 | 13 |
| Delhi | Indraprastha Gas Ltd . | NCT of Delhi (Including Noida & Ghaziabad) | 486 | 10,73,111 | 11,42,952 | 2,636 | 1,879 |
| Gujarat & DNH | Sabarmati Gas Ltd, Gujarat Gas Ltd, Adani Gas Ltd, Vadodara Gas Ltd, Hindustan Petroleum Corporation Ltd, Charotar Gas Sahakari Mandal Ltd, IRM Energy Ltd. | Gandhinagar, Mehsana & Sabarkanta GA, Patan district GA, Surat-Bharuch-Ankleswar GA, Nadiad GA, Navsari GA, Rajkot GA, Surendranagar GA, Hazira GA, Valsad GA, Jamnagar GA, Bhavnagar GA, Kutch (West) GA, Amreli District GA, Dahej Vagra Taluka GA, Dahod District GA, Panchmahal District GA, Anand (excluding area authorised) district GA, Ahmedabad city and Daskroi area (excluding area already authorised) GA, Vadodara district, Vadodara Rural, Ahmedabad district GA, Anand area including Kanjari and Vadtal villages GA and Palanpur, Dadra and Nagar Haveli-Silvassa | 557 | 9,47,225 | 20,88,116 | 18,831 | 4,940 |

21. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.07.2019

| State | Entity operating | Geographical area/City | CNG stations | No. of CNG vehicles | PNG connections | | |
|-----------------------|--|---|--------------|---------------------|-----------------|------------|------------|
| | | | | | Domestic | Commercial | Industrial |
| Haryana | Haryana City Gas Distribution Ltd., Adani Gas Ltd., GAIL Gas Ltd., Indraprastha Gas Ltd., Indian Oil-Adani Gas Pvt. Ltd. | Sonapat, Faridabad, Gurgaon, Rewari, Panipat, Nuh & Palwal, Karnal | 78 | 1,61,330 | 114,023 | 288 | 515 |
| Karnataka | Gail Gas Ltd., Megha Engineering & Infrastructures Ltd. | Bengaluru rural and urban districts GA, Tumkur district GA, Belgaum district GA, Dharwad | 16 | 1,217 | 22,190 | 144 | 83 |
| Kerala | Indian Oil-Adani Gas Pvt. Ltd. | Ernakulam | 5 | 1100 | 1,152 | 9 | 2 |
| Madhya Pradesh | Aavantika Gas Ltd, GAIL Gas Ltd | Dewas, Vijaiapur, Gwalior GA, Indore GA including Ujjain city | 43 | 36,360 | 65,015 | 148 | 247 |
| Maharashtra | Mahanagar Gas Ltd, Maharashtra Natural Gas Ltd, Gujarat Gas Limited, Mahesh Gas Ltd, Unison Enviro Private Limited | Mumbai, Greater Mumbai, Thane Urban, Mira Bhayender, Navi Mumbai, Ambernath, Bhiwandi, Kalyan, Dombivli, Badlapur, Ulhasnagar, Panvel, Kharghar & Taloja, Pune City including Pimpri-Chinchwad along with adjoining contiguous areas of Hinjewadi, Chakan & Talegaon GA, Raigarh District GA excl. areas already authorized, Palghar district and Thane Rural GA, Pune (excluding area already authorised), Ratnagiri | 323 | 9,43,483 | 14,98,311 | 4,117 | 268 |

21. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.07.2019

| State | Entity operating | Geographical area/City | CNG stations | No. of CNG vehicles | PNG connections | | |
|----------------------|--|--|--------------|---------------------|------------------|---------------|--------------|
| | | | | | Domestic | Commercial | Industrial |
| Odisha | GAIL (India) Ltd. | Khordha district GA, Cuttack district GA | 6 | 2,830 | 251 | 0 | 0 |
| Punjab | IRM Energy Pvt. Ltd., GSPL | Fatehgarh Sahib, Amritsar | 8 | 2,361 | 700 | 1 | 13 |
| Rajasthan | Rajasthan State Gas Limited | Kota, Neemrana & Kukas | 5 | 8,438 | 3,342 | 15 | 15 |
| Telangana | Bhagyanagar Gas Ltd. | Hyderabad | 45 | 24,980 | 11,846 | 12 | 19 |
| Tripura | Tripura Natural Gas Co. Ltd | Agartala | 9 | 11,774 | 39,794 | 415 | 49 |
| Uttar Pradesh | GAIL Gas Ltd, Sanwariya Gas Ltd, Green Gas Ltd, Central U.P. Gas Ltd, Siti Energy Ltd, Adani Gas Ltd, Indian Oil-Adani Gas Pvt. Ltd., Torrent Gas Pvt Ltd., GAIL (India) Ltd., IGL | Meerut, Dibrayapur, Mathura, Agra, Kanpur ga, Bareilly GA, Lucknow district, Moradabad GA, Firozabad Geographical Area (TTZ), Khurja GA, Allahabad, Varanasi and Auraiya, Kanpur Dehat & Etawah, Gorakhpur, Sant Kabir Nagar & Kushinagar, Bulandshahr, Jhansi | 142 | 1,58,315 | 1,86,001 | 518 | 657 |
| Uttarakhand | Indian Oil-Adani Gas Pvt. Ltd. | Udham Singh Nagar, Haridwar district GA | 1 | 150 | 1,733 | 2 | 8 |
| West Bengal | Great Eastern Energy Corporation Ltd. | Kultora, Asansol, Raniganj, Durgapur | 7 | 3,811 | 0 | 0 | 0 |
| Total | | | 1,789 | 34,06,166 | 52,54,708 | 28,381 | 9,116 |

22. Domestic natural gas price and gas price ceiling (GCV basis)

| Period | Domestic Natural Gas price in US\$/MMBTU | Gas price ceiling in US\$/MMBTU |
|-----------------------------|--|---------------------------------|
| November 2014 - March 2015 | 5.05 | - |
| April 2015 - September 2015 | 4.66 | - |
| October 2015 - March 2016 | 3.82 | - |
| April 2016 - September 2016 | 3.06 | 6.61 |
| October 2016 - March 2017 | 2.5 | 5.3 |
| April 2017 - September 2017 | 2.48 | 5.56 |
| October 2017 - March 2018 | 2.89 | 6.3 |
| April 2018 - September 2018 | 3.06 | 6.78 |
| October 2018 - March 2019 | 3.36 | 7.67 |
| April 2019 - September 2019 | 3.69 | 9.32 |

23. Information on Prices, Taxes and Under-recoveries/Subsidies

| International FOB prices/ Exchange rates (\$/bbl) | | | | Price buildup of petroleum products (Rs./litre/Cylinder) | | | | |
|--|----------------------------------|---|------------------|--|--|---|---|---|
| Particulars | 2017-18 | 2018-19 | June 2019 | Particulars | Petrol* | Diesel* | | |
| Crude oil (Indian Basket) | 56.43 | 69.88 | 62.39 | Price charged to dealers (excluding Excise Duty and VAT) | 34.14 | 38.16 | | |
| Petrol | 67.83 | 75.58 | 65.87 | Excise Duty | 19.98 | 15.83 | | |
| Diesel | 68.19 | 82.51 | 72.88 | Dealers' Commission (Average) | 3.57 | 2.50 | | |
| Kerosene | 67.65 | 82.24 | 72.59 | VAT (incl VAT on dealers' commission) | 15.58 | 9.75 | | |
| LPG (\$/MT) | 485.92 | 526.00 | 421.00 | Retail Selling Price | 73.27 | 66.24 | | |
| FO (\$/MT) | 327.50 | 420.93 | 372.16 | | | | | |
| Naphtha (\$/MT) | 494.73 | 573.72 | 453.62 | Particulars | PDS SKO* | Sub. Dom LPG* | | |
| Exchange (Rs./\$) | 64.45 | 69.89 | 69.44 | Price before taxes and dealers'/distributors' commission | 28.55 | 555.87 | | |
| Customs, excise duty & GST rates (as on 06.07.2019) | | | | | | | | |
| Product | Basic customs duty # | Excise duty | GST rates | Dealers'/distributors' commission | 2.60 | 50.79 | | |
| Petrol | 2.50% | Rs 19.98/Ltr | ** | GST (incl GST on dealers'/distributors' commission) | 1.56 | 30.34 | | |
| Diesel | 2.50% | Rs 15.83/Ltr | ** | Retail Selling Price | 32.71 | 637.00 | | |
| PDS SKO | Nil | Not Applicable | 5.00% | Less: Cash compensation on LPG to consumers under DBTL | | 142.65 | | |
| Non-PDS SKO | 5.00% | | 18.00% | Effective cost to consumer after subsidy | | 494.35 | | |
| Domestic LPG | Nil*** | | 5.00% | *Petrol and diesel at Delhi as per IOCL are as on 16th July 2019. PDS SKO at Mumbai and Sub. Dom LPG at Delhi are as on 16th July 2019 & 1st July 2019 respectively. | | | | |
| Non Domestic LPG | 5.00% | | 18.00% | | | | | |
| Furnace Oil (Non-Fert) | 5.00% | | 18.00% | | | | | |
| Naphtha (Non-Fert) | 4.00% | | 18.00% | | | | | |
| ATF | 5.00% | | 11% * | ** | Impact of changes in product price by \$1 per bbl for PDS SKO and \$10/MT for Domestic LPG & change in exchange rate by ₹1 per \$ | | | |
| Crude Oil | Rs.1/MT+ Rs.50/-MT as NCCD | Rs.1/MT+ Cess@20% + Rs.50 /-MT NCCD | ** | Product | Impact of change in product price by \$1per bbl / \$10per MT | | Impact of change in exchange rate by ₹1/\$ | |
| | | | | | Per unit impact (₹/lit./cyl.) | Annualised financial impact (₹crore) | Per unit impact (₹/lit./cyl.) | Annualised financial impact (₹crore) |
| | | | | PDS SKO | 0.44 | 160 | 0.47 | 180 |
| | | | | Domestic LPG | 10.37 | 1450 | 6.44 | 900 |
| | | | | Total | - | 1,610 | - | 1,080 |
| | | | | Note: The above calculations are based on RTP for July 2019. | | | | |

*2% for scheduled commuter airlines from regional connectivity scheme airports;
 ** Crude oil, Petrol, Diesel, ATF and Natural Gas are outside GST levy; # Social welfare surcharge @ 3% on petrol and diesel and 10% on other products is levied on aggregate duties of Customs excluding CVD in lieu of IGST.*** Customs duty is Nil for import of Domestic LPG sold to household consumers (including NDEC) by PSU OMCs. Customs duty rate is 5% for other importers of domestic LPG.

23. Information on Prices, Taxes and Under-recoveries/Subsidies

| Under-recoveries/subsidy & burden sharing | | | |
|--|---------------|---------------|---------------|
| PDS Kerosene | | | |
| Product | 2016-17 | 2017-18 | 2018-19 |
| | Rs./Crore | | |
| Under recovery | 7,595 | 4,672 | 5,950 |
| Subsidy under DBTK # | 11 | 113 | 117 |
| Total | 7,605 | 4,785 | 6,067 |
| #DBTK subsidy excludes cash incentive/assistance for establishment of institutional mechanism for direct transfer of subsidy paid to States/UTs. | | | |
| Domestic LPG under DBTL (Direct benefit transfer for LPG) | | | |
| Particulars | 2016-17 | 2017-18 | 2018-19 |
| | Rs./Crore | | |
| DBTL subsidy | 12,905 | 20,880 | 31,447 |
| PME & IEC^ | - | 25 | 92 |
| Total | 12,905 | 20,905 | 31,539 |
| PMUY (Pradhan Mantri Ujjwala Yojana) | | | |
| Particulars | 2016-17 | 2017-18 | 2018-19 |
| | Rs./Crore | | |
| PMUY claims | 2,999 | 2,496 | 5,649 |
| PME & IEC^ | - | 63 | 34 |
| Total | 2,999 | 2,559 | 5,683 |
| ^ on payment basis | | | |

| Sales & profit of petroleum sector (Rs. Crores) | | | | |
|---|-----------------|-----------------|-----------------|--------|
| Particulars | 2017-18 | | 2018-19 | |
| | Turnover | PAT | Turnover | PAT |
| Upstream/midstream Companies (PSU) | 1,48,473 | 27,231 | 197,468 | 35,332 |
| Downstream Companies (PSU) | 10,20,395 | 35,622 | 12,33,019 | 30,055 |
| Standalone Refineries (PSU) | 1,20,430 | 5,181 | 140,614 | 2,087 |
| Private-RIL | 3,15,357 | 33,612 | 400,986 | 35,163 |
| Borrowings of OMCs (Rs. Crores), As on | | | | |
| Company | Mar`17 | Mar`18 | Mar`19 | |
| IOCL | 54,820 | 58,030 | 86,359 | |
| BPCL | 23,159 | 23,351 | 29,099 | |
| HPCL | 21,250 | 20,991 | 27,240 | |
| Petroleum sector contribution to Central/State Govt. | | | | |
| Particulars | 2016-17 | 2017-18 | 2018-19 | |
| Central Government | 3,35,175 | 3,45,249 | 3,65,113 | |
| % of total revenue receipts | 24% | 24% | 28% | |
| State Governments | 1,89,770 | 2,09,155 | 2,30,325 | |
| % of total revenue receipts | 9% | 9% | 11% | |
| Total (Rs. Crores) | 5,24,945 | 5,54,404 | 5,95,438 | |
| Subsidy as a percentage of GDP (at current prices) | | | | |
| Particulars | 2015-16 | 2016-17 | 2017-18 | |
| Petroleum subsidy | 0.25 | 0.18 | 0.17 | |
| Note: GDP figure for 2015-16 and 2016-17 are Revised Estimates and 2017-18 are Provisional Estimates | | | | |

24. Capital expenditure of PSU oil companies

(Rs in crores)

| Company | 2016-17 (P) | 2017-18 (P) | 2018-19 (P) | 2019-20 (P) | |
|---|----------------|----------------|---------------|---------------|---------------|
| | | | | Target | April-June |
| ONGC Ltd | 28,010 | 72,383 | 28,738 | 32,921 | 5,079 |
| ONGC Videsh Ltd (OVL) | 18,360 | 6,240 | 6,013 | 5,161 | 1,308 |
| Oil India Ltd (OIL) | 10,514 | 8,395 | 3,702 | 4,105 | 645 |
| GAIL (India) Ltd | 2,180 | 3,613 | 5,958 | 5,339 | 489 |
| Indian Oil Corp. Ltd. (IOCL) | 21,918 | 20,345 | 26,548 | 25,084 | 4,251 |
| Hindustan Petroleum Corp. Ltd (HPCL) | 5,861 | 7,134 | 11,689 | 9,500 | 2,230 |
| Bharat Petroleum Corp. Ltd (BPCL) | 16,810 | 8,161 | 10,084 | 7,900 | 1,432 |
| Mangalore Refinery & Petrochem Ltd (MRPL) | 614 | 1,281 | 1,072 | 818 | 378 |
| Chennai Petroleum Corp. Ltd (CPCL) | 1,293 | 963 | 1,208 | 1,105 | 251 |
| Numaligarh Refinery Ltd (NRL) | 500 | 387 | 459 | 455 | 31 |
| Balmer Lawrie Co. Ltd (BL) | 73 | 78 | 125 | 40 | 4 |
| Engineers India Ltd (EIL) # | - | - | 87 | 1212 | 38 |
| Total | 106,133 | 128,981 | 95,684 | 93,639 | 16,137 |

(P) Provisional; Includes expenditure on investment in JV/subsidiaries.

Included from 2018-19.

25. Conversion factors and volume conversion

| Weight to volume conversion | | | | Volume conversion | |
|--------------------------------|------------------|-------------|--------------|---------------------------|---------------|
| Product | Weight (MT) | Volume (KL) | Barrel (bbl) | From | To |
| LPG | 1 | 1.844 | 11.60 | 1 US Barrel (bbl) | 159 litres |
| Petrol (MS) | 1 | 1.411 | 8.88 | 1 US Barrel (bbl) | 42 US Gallons |
| Diesel (HSD) | 1 | 1.210 | 7.61 | 1 US Gallon | 3.78 litres |
| Kerosene (SKO) | 1 | 1.285 | 8.08 | 1 Kilo litre (KL) | 6.29 bbl |
| ATF | 1 | 1.288 | 8.10 | 1 Million barrels per day | 49.8 MMTPA |
| Light Diesel Oil (LDO) | 1 | 1.172 | 7.37 | Energy conversion | |
| Furnace Oil (FO) | 1 | 1.0424 | 6.74 | 1 Kilocalorie (kcal) | 4.187 kJ |
| Crude Oil | 1 | 1.170 | 7.33 | 1 Kilocalorie (kcal) | 3.968 Btu |
| Exclusive Economic Zone | | | | 1 Kilowatt-hour (kWh) | 860 kcal |
| 200 Nautical Miles | 370.4 Kilometers | | | 1 Kilowatt-hour (kWh) | 3,412 Btu |

| Natural gas conversions | | | |
|-------------------------|------------------|--|--------------------------|
| 1 Standard Cubic Metre | 35.31 Cubic Feet | 1 MMBTU | 25.2 SCM @10000 kcal/SCM |
| 1 BCM/year of Gas | 2.74 MMSCMD | GCV (Gross Calorific Value) | 10,000 kcal/SCM |
| 1 TCF of Gas Reserve | 3.88 MMSCMD | NCV (Net Calorific Value) | 90% of GCV |
| 1 MMTPA of LNG | 3.60 MMSCMD | Gas required for 1 MW power generation | 4,541 SCM/day |
| 1 MT of LNG | 1,325 SCM | Power generation from 1 MMSCMD of gas | 220 MW |