

Ready Reckoner

Snapshot of India's Oil & Gas data

May, 2018



Analysis • Knowledge • Information

Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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Highlights for the month

- Indigenous crude oil and condensate production during May 2018 was lower by 2.9% than that of May 2017. While PSC fields registered growth of 0.6% PSU companies registered de-growth of 4.3% during the month over May 2017. The percentage share of PSU companies in crude oil and condensate production decreased to 70.5% during May 2018 against 71.9% during May 2017. However, share of PSC fields increased to 29.5% during % during May 2018 against 28.1% during May 2017.
- Total crude oil processed during May 2018 was 22.2 MMT, which was an increase of 6.8% over May 2017 mainly due to increase in crude oil processed by PSU/JV refineries. Indian refineries processed 76.2% high sulphur crude oil during May 2018 against 74.2% during May 2017.
- Production of petroleum products during May 2018 saw a growth of 4.9% over May 2017. LPG, ATF, HSD and petcoke production registered a growth of 13.5%, 14.9%, 8.6% and 11.8% respectively during May 2018 as compared to May 2017. Fractionators achieved 14.0% growth in production during May 2018 as compared to May 2017.
- Crude oil imports increased by 10.9% during May 2018 as compared to May 2017. On cumulative basis, crude oil imports increased by 3.1% during April-May 2018 as compared to April-May 2017.
- Product imports decreased by 3.3% during May 2018 as compared to May 2017. On cumulative basis, product imports increased by 6.2% during April-May 2018 as compared to April-May 2017. Increase in POL product imports during April-May 2018 was mainly due to increase in imports of naphtha, fuel oil and MS.
- Product exports decreased by 8.4 % during May 2018 as compared to May 2017. On cumulative basis, product exports decreased by 17.6% during April-May 2018 as compared to April-May 2017.
- Petroleum product consumption registered a growth of 3.4% during May 2018 and a cumulative growth of 3.9% during April-May 2018. Last year during May 2017 a growth of 6.9% and cumulative growth of 4.9% during period April-May 2017 was observed. Except for SKO (-19.8%) and FO/LSHS (-13.6%) all other products registered positive growth during May 2018. Consumption of MS & HSD during the month was the highest recorded during any month.

| | |
|--|---|
| | <ul style="list-style-type: none"> Total LPG consumption continuously for the last fifty seven months in a row recorded a positive growth. Growth of 14.4% during May 2018 and a cumulative growth of 13.7% during April to May 2018 was observed. This year during the period April 2018 to May 2018, 8.6 lakh DBCs and 71.8 lakh new connections were released out of which 56.7 lakh were released under PMUY. Nearly 19 lakh new connections have been released more during the current year in this period compared to last year. Total 412.8 lakh connections were released under PMUY till 31.05.2018 since inception. Out of the five regions, Northern region had the highest share in consumption of 31.3% followed by Southern region at 28.3%, Western region at 21.2%, Eastern region at 16.5% and North Eastern region at 2.8% during the period May 2018. North Eastern region had the highest growth of 29.4% in total LPG consumption during the period May 2018. |
| | <ul style="list-style-type: none"> SKO consumption registered a de-growth of -19.8% during May 2018 as compared to de-growth of -33.4% during May 2017. This was mainly because of reduced Q1, 2018-19 allocation to the states and voluntary surrender of PDS SKO quota by Haryana, Punjab, Dadra & Nagar Haveli, Daman & Diu, Puducherry and Andhra Pradesh and voluntary surrender of some allocation quantity from Q1, 2018-19 by Gujarat. |
| | <ul style="list-style-type: none"> Gross production of natural gas for the month of May, 2018 was 2728.0 MMSCM which was lower by 1.5% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 5391.0 MMSCM for the current financial year till May, 2018 was higher by 1.7% compared with the corresponding period of the previous year (5302.3 MMSCM). |
| | <ul style="list-style-type: none"> LNG import for the month of May, 2018 was 2260.1 MMSCM which was 16.4 % higher than the corresponding month of the previous year. The cumulative import of 4540.2 MMSCM for the current year till May, 2018 was higher by 10.2% compared with the corresponding period of the previous year (4118.7 MMSCM). |
| | <ul style="list-style-type: none"> The price of Brent Crude averaged \$76.93/bbl during May 2018 as against \$71.80/bbl during April 2018. Brent crude price was \$50.43/bbl during May 2017. The Indian basket crude price averaged \$75.31/bbl during May 2018 as against \$69.30/bbl during the previous month. The Indian basket crude price during May 2017 was \$50.57/bbl. |
| | <ul style="list-style-type: none"> The import bill of crude oil is estimated to increase by 24% from \$88 billion in 2017-18 to \$109 billion in 2018-19 considering average Indian basket crude oil price of \$65/bbl and \$/Rs = 65 for 2018-19. |

1. Selected indicators of the Indian economy

| Economic indicators | | Unit/ Base | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 (P) |
|---------------------|--|------------|---------|---------|---------|-------------|-----------------------------|
| 1 | Population (as on 1 st May, 2011) | Billion | 1.2 | - | - | - | - |
| 2 | GDP at constant (2011-12 Prices) | Growth % | 6.4 | 7.4 | 8.2 | 7.1 | 6.7 PE |
| 3 | Agricultural Production (Food grains) | MMT | 265.0 | 252.0 | 251.6 | 275.1 FE | 279.5 3 rd AE |
| | | Growth % | 3.1 | -4.9 | -0.2 | 9.4 | 1.6 |
| 4 | Gross Fiscal Deficit | % | -4.5 | -4.1 | -3.9 | -3.5 | -3.5 RE |

| Economic indicators | | Unit/ Base | 2016-17 | 2017-18 (P) | May (P) | | April-May (P) | |
|---------------------|--|------------|---------|-------------|------------------|------------------|---------------|---------|
| | | | | | 2017-18 | 2018-19 | 2017-18 | 2018-19 |
| 5 | Index of Industrial Production (Base: 2011-12) | Growth % | 4.6 | 4.3 | 3.2 [#] | 4.9 [#] | - | - |
| 6 | Imports | \$ Billion | 384.4 | 465.6 | 37.9 | 43.5 | 75.7 | 83.1 |
| 7 | Exports | \$ Billion | 275.9 | 303.4 | 24.0 | 28.9 | 48.7 | 54.8 |
| 8 | Trade Balance | \$ Billion | -108.5 | -162.2 | -13.9 | -14.6 | -27.1 | -28.3 |
| 9 | Foreign Exchange Reserves [@] | \$ Billion | 370.0 | 424.4 | 378.8 | 412.8 | - | - |

[#]IIP is for the month of April; [@]2016-17-as on March 31, 2017, 2017-18-as on March 30, 2018, May 2017- as on May 26, 2017 and May 2018-as on May 25, 2018; AE-Advanced Estimates; RE-Revised Estimates; PE-Provisional Estimates; FE-Final Estimates.

Source: Ministry of Commerce & Industry (MoC&I), Ministry of Agriculture & Farmer's Welfare (MoA&FW), Reserve Bank of India (RBI)

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

| Details | | Unit/ Base | 2016-17 | 2017-18 (P) | May (P) | | April-May (P) | |
|--|---|------------|---------|----------------|---------|---------|---------------|---------|
| | | | | | 2017-18 | 2018-19 | 2017-18 | 2018-19 |
| 1 | Crude oil production in India | MMT | 36.0 | 35.7 | 3.1 | 3.0 | 6.0 | 5.9 |
| 2 | Consumption of petroleum products | MMT | 194.6 | 204.9 | 18.1 | 18.7 | 35.0 | 36.4 |
| 3 | Production of petroleum products | MMT | 243.5 | 254.4 | 21.2 | 22.3 | 40.9 | 42.5 |
| 4 | Imports & exports: | | | | | | | |
| Crude oil imports | | MMT | 213.9 | 220.4 | 17.9 | 19.9 | 36.0 | 37.1 |
| | | \$ Billion | 70.2 | 87.8 | 6.3 | 10.2 | 13.0 | 18.5 |
| Petroleum products (POL) imports | | MMT | 36.3 | 35.9 | 3.1 | 3.0 | 5.7 | 6.1 |
| | | \$ Billion | 10.6 | 13.4 | 1.0 | 1.2 | 1.9 | 2.4 |
| Gross petroleum imports (Crude + POL) | | MMT | 250.2 | 256.3 | 21.0 | 22.8 | 41.7 | 43.2 |
| | | \$ Billion | 80.8 | 101.2 | 7.3 | 11.5 | 14.9 | 20.9 |
| Petroleum products exports | | MMT | 65.5 | 66.8 | 4.9 | 4.5 | 10.1 | 8.3 |
| | | \$ Billion | 29.0 | 34.9 | 2.4 | 3.1 | 4.9 | 5.6 |
| LNG imports | | \$ Billion | 6.1 | 7.8 | 0.5 | 0.7 | 1.1 | 1.5 |
| 5 | Petroleum imports as percentage of India's gross imports (in value terms) | % | 21.0 | 21.7 | 19.3 | 26.3 | 19.6 | 25.2 |
| 6 | Petroleum exports as percentage of India's gross exports (in value terms) | % | 10.5 | 11.5 | 10.0 | 10.8 | 10.1 | 10.1 |
| 7 | Import dependency of crude (on consumption basis) | % | 81.7 | 82.8 | 83.9 | 83.9 | 83.5 | 83.8 |

3. Indigenous crude oil production (Million Metric Tonnes)

| Details | 2016-17 | 2017-18 (P) | May (P) | | | April -May (P) | | |
|---|--------------|----------------|-------------|----------------------|-------------|----------------|----------------------|-------------|
| | | | 2017-18 | 2017-18 (Target)* | 2018-19 | 2017-18 | 2017-18 (Target)* | 2018-19 |
| ONGC | 20.9 | 20.8 | 1.8 | 1.7 | 1.7 | 3.6 | 3.4 | 3.4 |
| Oil India Limited (OIL) | 3.3 | 3.4 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 | 0.6 |
| Private / Joint Ventures (JVs) | 10.4 | 9.9 | 0.9 | 0.9 | 0.9 | 1.7 | 1.7 | 1.7 |
| Total Crude Oil | 34.5 | 34.0 | 3.0 | 2.9 | 2.9 | 5.8 | 5.6 | 5.6 |
| ONGC condensate | 1.4 | 1.5 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 |
| PSC condensate | 0.1 | 0.2 | 0.02 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04 |
| Total condensate | 1.5 | 1.6 | 0.1 | 0.1 | 0.1 | 0.3 | 0.2 | 0.3 |
| Total (Crude + Condensate) (MMT) | 36.0 | 35.7 | 3.1 | 3.0 | 3.0 | 6.0 | 5.9 | 5.9 |
| Total (Crude + Condensate) (Million Bbl) | 263.9 | 261.6 | 22.7 | 22.1 | 22.0 | 44.3 | 43.1 | 43.4 |

*Target is inclusive of condensate. **Note:** Some sub-totals/ totals may not add-up due to rounding off at individual levels

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

| Details | 2016-17 | 2017-18 (P) | May (P) | | April-May (P) | |
|---|--------------|--------------|--------------|--------------|---------------|--------------|
| | | | 2017-18 | 2018-19 | 2017-18 | 2018-19 |
| Total domestic production (MMTOE) | 67.9 | 68.3 | 5.9 | 5.7 | 11.3 | 11.3 |
| Overseas production (MMTOE) | 16.1 | 19.6 | 1.7 | 1.8 | 3.6 | 3.7 |
| Overseas production as percentage of domestic production | 23.8% | 28.7% | 29.0% | 32.2% | 31.4% | 32.5% |

Source: ONGC Videsh, GAIL, OIL, IOCL & HPCL

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

| Details | | 2016-17 | 2017-18 (P) | May (P) | | April-May (P) | |
|---|--------------------|--------------|--------------|--------------|--------------|---------------|--------------|
| | | | | 2017-18 | 2018-19 | 2017-18 | 2018-19 |
| 1 | High Sulphur crude | 177.4 | 188.4 | 15.5 | 16.9 | 30.2 | 31.6 |
| 2 | Low Sulphur crude | 67.9 | 63.6 | 5.4 | 5.3 | 10.6 | 10.5 |
| Total crude processed | | 245.4 | 251.9 | 20.8 | 22.2 | 40.9 | 42.1 |
| Percentage share of HS crude in total crude oil processing | | 72.3% | 74.8% | 74.2% | 76.2% | 74.0% | 75.1% |

6. Quantity and value of crude oil imports

| Year | Quantity (MMT) | \$ Million | Rs. Crore |
|---------------------|----------------|------------|-----------|
| 2017-18 (P) | 220.43 | 87,776 | 5,65,951 |
| 2018-19 (Estimated) | 227.00 | 108,793 | 7,08,136 |

Note: Imports are estimated considering average crude oil price \$ 65/bbl and exchange rate Rs. 65/\$ for 2018-19.

Impact of variation in crude oil price & exchange rate on value of crude oil imports for 2018-2019 :

If crude prices changes by one \$/bbl - Crude oil import bill changes by Rs. 10,880 crores

If exchange rate of Rs./\$ changes by Rs. 1/\$ - Crude oil import bill changes by Rs. 10,880 crores

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

| Particulars | | 2016-17 | 2017-18 (P) | May (P) | | April-May (P) | |
|-----------------------------------|---|--------------|----------------|--------------|--------------|---------------|--------------|
| | | | | 2017-18 | 2018-19 | 2017-18 | 2018-19 |
| 1 | Indigenous crude oil processing | 33.5 | 32.8 | 2.8 | 2.8 | 5.5 | 5.5 |
| 2 | Products from indigenous crude (93.3% of crude oil processed) | 31.3 | 30.6 | 2.6 | 2.6 | 5.1 | 5.1 |
| 3 | Products from fractionators (Including LPG and Gas) | 4.3 | 4.6 | 0.3 | 0.4 | 0.7 | 0.8 |
| 4 | Total production from indigenous crude & condensate (2 + 3) | 35.6 | 35.2 | 2.9 | 3.0 | 5.8 | 5.9 |
| 5 | Total domestic consumption | 194.6 | 204.9 | 18.1 | 18.7 | 35.0 | 36.4 |
| % Self-sufficiency (4 / 5) | | 18.3% | 17.2% | 16.1% | 16.1% | 16.5% | 16.2% |

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

| Company | Refinery | Installed capacity (1.6.2018) (MMTPA) | Crude oil processing (MMT) | | | | | | | |
|---------|-------------------|---|----------------------------|----------------|---------------------|----------------------|------------|---------------------|----------------------|-------------|
| | | | 2016-17 | 2017-18 (P) | May (P) | | | April-May (P) | | |
| | | | | | 2017-18 (Actual) | 2018-19 (Target)* | 2018-19 | 2017-18 (Actual) | 2018-19 (Target)* | 2018-19 |
| IOCL | Barauni (1964) | 6.0 | 6.5 | 5.8 | 0.5 | 0.6 | 0.6 | 1.1 | 1.1 | 1.2 |
| | Koyali (1965) | 13.7 | 14.0 | 13.8 | 1.2 | 1.0 | 1.2 | 2.3 | 2.2 | 2.4 |
| | Haldia (1975) | 7.5 | 7.7 | 7.7 | 0.7 | 0.7 | 0.6 | 1.4 | 1.2 | 1.3 |
| | Mathura (1982) | 8.0 | 9.2 | 9.2 | 0.8 | 0.8 | 0.9 | 1.6 | 1.5 | 1.7 |
| | Panipat (1998) | 15.0 | 15.6 | 15.7 | 1.4 | 1.3 | 1.4 | 2.7 | 2.6 | 2.7 |
| | Guwahati (1962) | 1.0 | 0.86 | 1.02 | 0.09 | 0.08 | 0.09 | 0.17 | 0.16 | 0.18 |
| | Digboi (1901) | 0.65 | 0.53 | 0.67 | 0.05 | 0.06 | 0.06 | 0.11 | 0.10 | 0.11 |
| | Bongaigaon(1979) | 2.35 | 2.5 | 2.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 |
| | Paradip (2016) | 15.0 | 8.2 | 12.7 | 1.3 | 1.2 | 1.3 | 2.0 | 1.9 | 1.5 |
| | IOCL TOTAL | 69.2 | 65.2 | 69.0 | 6.3 | 5.9 | 6.3 | 11.8 | 11.3 | 11.6 |
| CPCL | Manali (1969) | 10.5 | 9.8 | 10.3 | 0.9 | 0.9 | 0.8 | 1.5 | 1.7 | 1.6 |
| | CBR (1993) | 1.0 | 0.53 | 0.50 | 0.04 | 0.04 | 0.03 | 0.08 | 0.08 | 0.07 |
| | | CPCL-TOTAL | 11.5 | 10.3 | 10.8 | 0.9 | 0.9 | 0.8 | 1.6 | 1.8 |
| BPCL | Mumbai (1955) | 12.0 | 13.5 | 14.1 | 1.0 | 1.1 | 1.2 | 2.0 | 2.2 | 2.5 |
| | Kochi (1966) | 15.5 | 11.8 | 14.1 | 1.1 | 1.4 | 1.4 | 2.1 | 2.7 | 2.7 |
| BORL | Bina (2011) | 6.0 | 6.4 | 6.7 | 0.6 | 0.6 | 0.6 | 1.2 | 1.1 | 1.1 |
| NRL | Numaligarh (1999) | 3.0 | 2.7 | 2.8 | 0.2 | 0.2 | 0.2 | 0.5 | 0.5 | 0.4 |
| | BPCL-TOTAL | 36.5 | 34.4 | 37.7 | 3.0 | 3.3 | 3.5 | 5.8 | 6.5 | 6.7 |

| Company | Refinery | Installed capacity (1.6.2018) (MMTPA) | Crude oil processing (MMT) | | | | | | | |
|------------------|-----------------------|---------------------------------------|----------------------------|--------------|------------------|-------------------|-------------|------------------|-------------------|-------------|
| | | | 2016-17 | 2017-18 (P) | May (P) | | | April-May (P) | | |
| | | | | | 2017-18 (Actual) | 2018-19 (Target)* | 2018-19 | 2017-18 (Actual) | 2018-19 (Target)* | 2018-19 |
| ONGC | Tatipaka (2001) | 0.066 | 0.085 | 0.080 | 0.007 | 0.005 | 0.006 | 0.013 | 0.010 | 0.013 |
| MRPL | Mangalore (1996) | 15.0 | 16.0 | 16.1 | 1.4 | 1.3 | 1.2 | 2.6 | 2.5 | 2.5 |
| | ONGC TOTAL | 15.1 | 16.1 | 16.2 | 1.4 | 1.3 | 1.2 | 2.6 | 2.5 | 2.5 |
| HPCL | Mumbai (1954) | 7.5 | 8.5 | 8.6 | 0.7 | 0.7 | 0.7 | 1.4 | 1.4 | 1.4 |
| | Visakh (1957) | 8.3 | 9.3 | 9.6 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| HMEL | Bathinda (2012) | 11.3 | 10.5 | 8.8 | 0.0 | 0.9 | 1.1 | 0.8 | 1.8 | 2.1 |
| | HPCL- TOTAL | 27.1 | 28.3 | 27.1 | 1.6 | 2.5 | 2.6 | 3.8 | 4.9 | 5.1 |
| RIL | Jamnagar (DTA) (1999) | 33.0 | 32.8 | 33.2 | 2.7 | 2.7 | 2.8 | 5.4 | 5.4 | 5.5 |
| | Jamnagar (SEZ) (2008) | 35.2 | 37.4 | 37.3 | 3.2 | 3.2 | 3.2 | 6.4 | 6.4 | 5.5 |
| NEL [#] | Vadinar (2006) | 20.0 | 20.9 | 20.7 | 1.8 | 1.7 | 1.8 | 3.5 | 3.3 | 3.5 |
| | All India | 247.6 | 245.4 | 251.9 | 20.8 | 21.5 | 22.2 | 40.9 | 42.0 | 42.1 |

*Targets are as received from oil companies. RIL target for 2018-19 is previous year crude processing; [#]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

| Details | | ONGC | OIL | Cairn | HMEL | IOCL | BPCL | HPCL | Others* | Total |
|-------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|---------|--------------|
| Crude Oil (as on 1.6.2018) | Length (KM) | 1,191 | 1,193 | 688 | 1,017 | 5,301 | 937 | - | - | 10327 |
| | Cap (MMTPA) | 58.5 | 8.4 | 10.7 | 9.0 | 48.6 | 6.0 | - | - | 141.2 |
| Products (as on 1.6.2018) | Length (KM) | - | 654 | - | - | 7,950 | 1,948 | 3,371 | 2,688 | 16611 |
| | Cap (MMTPA) | - | 1.7 | - | - | 46.2 | 16.2 | 38.1 | 9.3 | 111.4 |

*Other includes GAIL and Petronet India. HPCL and BPCL lubes pipeline included in products pipeline data

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

| Company | Refinery | 2014-15 | 2015-16 | 2016-17 | 2017-18 |
|------------------|-------------------------|-------------|-------------|-------------|-------------|
| IOCL | Barauni | -1.20 | 2.93 | 6.52 | 6.60 |
| | Koyali | 4.79 | 6.80 | 7.55 | 9.44 |
| | Haldia | -1.51 | 3.96 | 6.80 | 6.86 |
| | Mathura | -2.19 | 3.30 | 7.01 | 7.09 |
| | Panipat | -1.97 | 4.15 | 7.95 | 7.74 |
| | Guwahati ** | 8.68 | 15.88 | 22.14 | 21.88 |
| | Digboi ** | 13.73 | 16.17 | 24.49 | 24.86 |
| | Bongaigaon ** | -0.26 | 11.09 | 20.15 | 20.62 |
| | Paradip # | - | -0.65 | 4.22 | 7.02 |
| | Weighted average | 0.27 | 5.06 | 7.77 | 8.49 |
| BPCL | Kochi | 3.17 | 6.87 | 5.16 | 6.44 |
| | Mumbai | 3.97 | 6.37 | 5.36 | 7.26 |
| | Weighted average | 3.62 | 6.59 | 5.26 | 6.85 |
| HPCL | Mumbai | 4.88 | 8.09 | 6.95 | 8.35 |
| | Visakhapatnam | 1.12 | 5.46 | 5.51 | 6.55 |
| | Weighted average | 2.84 | 6.68 | 6.20 | 7.40 |
| CPCL | Chennai | 1.97 | 5.27 | 6.05 | 6.42 |
| MRPL | Mangalore | -0.64 | 5.20 | 7.75 | 7.54 |
| NRL | Numaligarh ** | 16.67 | 23.68 | 28.56 | 31.92 |
| BORL | Bina | 6.10 | 11.70 | 11.80 | 11.70 |
| RIL | Jamnagar | 8.60 | 10.80 | 11.00 | 11.60 |
| NEL [@] | Vadinar | 8.37 | 10.81 | 9.14 | * |

*Accounts not finalised till date.; ** 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 | 2014-15 | 2015-16 | 2016-17 | 2017-18 |
|---------|------------|---------|---------|---------|---------|
| IOCL | Guwahati | 0.96 | 1.26 | 1.12 | 3.70 |
| | Digboi | 5.42 | 4.16 | 7.73 | 8.27 |
| | Bongaigaon | -6.51 | 0.08 | 6.03 | 6.22 |
| NRL | Numaligarh | 9.46 | 8.06 | 8.50 | 11.43 |

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

| Products | 2017-18 | | May 2017 (P) | | May 2018 (P) | | April-May 2017 (P) | | April-May 2018 (P) | |
|-------------------|-------------------|----------------------|-------------------|----------------------|-------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ |
| LPG | 12.4 | 23.3 | 1.0 | 1.8 | 1.1 | 2.0 | 1.9 | 3.4 | 2.1 | 3.9 |
| MS | 37.8 | 26.2 | 3.2 | 2.4 | 3.3 | 2.5 | 6.3 | 4.5 | 6.3 | 4.7 |
| NAPHTHA | 19.9 | 12.5 | 1.8 | 1.0 | 1.6 | 1.0 | 3.4 | 2.0 | 3.1 | 2.1 |
| ATF | 14.7 | 7.6 | 1.1 | 0.6 | 1.3 | 0.7 | 2.3 | 1.2 | 2.5 | 1.4 |
| SKO | 4.3 | 3.8 | 0.4 | 0.4 | 0.3 | 0.3 | 0.8 | 0.7 | 0.7 | 0.6 |
| HSD | 107.9 | 81.1 | 8.9 | 7.5 | 9.7 | 7.5 | 17.4 | 14.5 | 18.0 | 14.7 |
| LDO | 0.55 | 0.52 | 0.06 | 0.03 | 0.04 | 0.04 | 0.08 | 0.07 | 0.08 | 0.10 |
| LUBES | 1.04 | 3.8 | 0.08 | 0.3 | 0.09 | 0.3 | 0.2 | 0.6 | 0.2 | 0.6 |
| FO/LSHS | 10.3 | 6.8 | 1.0 | 0.6 | 0.7 | 0.5 | 1.6 | 1.2 | 1.4 | 1.1 |
| BITUMEN | 5.3 | 6.0 | 0.6 | 0.7 | 0.6 | 0.7 | 1.1 | 1.3 | 1.2 | 1.4 |
| PET COKE | 13.9 | 26.2 | 1.1 | 2.2 | 1.3 | 2.4 | 2.2 | 4.4 | 2.3 | 4.6 |
| OTHERS | 26.3 | 7.1 | 1.9 | 0.6 | 2.3 | 0.6 | 3.8 | 1.1 | 4.7 | 1.2 |
| ALL INDIA | 254.4 | 204.9 | 21.2 | 18.1 | 22.3 | 18.7 | 40.9 | 35.0 | 42.5 | 36.4 |
| Growth (%) | 4.5% | 5.3% | 5.4% | 6.9% | 4.9% | 3.4% | 2.8% | 4.9% | 3.9% | 3.9% |

Note: Prodⁿ - Production; Consumpⁿ - Consumption

| 13. LPG consumption (Thousand Metric Tonne) | | | | | | | | |
|---|-----------------|-----------------|----------------|----------------|--------------|----------------|----------------|--------------|
| LPG category | 2016-17 | 2017-18 (P) | May 2018 | | | April-May (P) | | |
| | | | 2017-18 | 2018-19 | Gr (%) | 2017-18 | 2018-19 | Gr (%) |
| 1. PSU Sales : | | | | | | | | |
| LPG-Packed Domestic | 18871.4 | 20,351.8 | 1561.1 | 1783.2 | 14.2 | 3,004.7 | 3,402.1 | 13.2 |
| LPG-Packed Non-Domestic | 1775.9 | 2,085.8 | 153.1 | 187.9 | 22.7 | 294.7 | 366.1 | 24.2 |
| LPG-Bulk | 364.3 | 354.4 | 25.3 | 30.9 | 22.0 | 46.6 | 60.6 | 30.0 |
| Auto LPG | 167.3 | 184.3 | 15.7 | 15.7 | 0.02 | 30.1 | 30.1 | 0.2 |
| Sub-Total (PSU Sales) | 21,178.9 | 22,976.4 | 1,755.2 | 2,017.7 | 58.9 | 3,376.2 | 3,858.9 | 14.3 |
| 2. Direct Private Imports | 429.3 | 367.0 | 34.9 | 30.4 | -13.0 | 71.1 | 60.7 | -14.6 |
| Total (1+2) | 21,608.2 | 23,343.3 | 1,790.2 | 2,048.1 | 45.9 | 3,447.3 | 3,919.7 | 13.7 |

| 14. Kerosene allocation vs upliftment (Kilo Litres) | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| Product | 2013-14 | | 2014-15 | | 2015-16 | | 2016-17 | | 2017-18 (P) | |
| | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment |
| PDS Kerosene | 90,55,068 | 89,96,251 | 89,75,538 | 88,78,352 | 86,85,384 | 85,36,752 | 69,33,030 | 66,78,447 | 50,21,828 | 46,69,164 |

| 15. Industry marketing infrastructure (as on 01.05.2018) (Provisional) | | | | | | | | | |
|--|--------|--------|--------|-------|--------------------|-------|--------|--------|--|
| Particulars | IOCL | BPCL | HPCL | RIL | NEL ^{###} | SHELL | Others | Total | |
| POL Terminal/ Depots (Nos.) [§] | 125 | 78 | 82 | 18 | 2 | - | 6 | 311 | |
| Aviation Fuel Stations (Nos.) [@] | 107 | 52 | 42 | 28 | - | - | 1 | 230 | |
| Retail Outlets (total) (Nos.) [^] | 27,143 | 14,477 | 15,098 | 1,400 | 4,575 | 109 | 6 | 62,808 | |
| out of which, Rural ROs | 7,565 | 2,632 | 3,329 | 127 | 1,618 | 14 | - | 15,285 | |
| SKO/LDO agencies (Nos.) | 3,892 | 1,001 | 1,638 | - | - | - | - | 6,531 | |
| LPG Distributors (total) (Nos.) (PSUs only) | 10,276 | 5,164 | 4,918 | - | - | - | - | 20,358 | |
| LPG Bottling plants (Nos.) (PSUs only) [#] | 91 | 50 | 48 | - | - | - | 1 | 190 | |
| LPG Bottling capacity (TMTPA) (PSUs only) ^{&} | 9,385 | 3,933 | 4,047 | - | - | - | 30 | 17,395 | |
| LPG active domestic consumers (Nos. crore) (PSUs only) | 10.9 | 5.9 | 6.26 | - | - | - | - | 23.1 | |

[§](RIL= 5 terminals and 13 mini depots, Others=4 MRPL & 2 NRL); [@](Others=ShellMRPL -1); [^](Others=MRPL-6); [#](Others=NRL-1); [&](Others=NRL-30); ^{###} Nayara Energy Limited (formerly Essar Oil Limited).

16. Natural gas at a glance

| (MMSCM) | | | | | | | | |
|---|---------|----------------|-------------|---------------------|-------------|-------------|---------------------|-------------|
| Details | 2016-17 | 2017-18 (P) | May | | | April-May | | |
| | | | 2017-18 (P) | 2018-19 (Target) | 2018-19 (P) | 2017-18 (P) | 2018-19 (Target) | 2018-19 (P) |
| (a) Gross production | 31,897 | 32,648 | 2,768 | 2,942 | 2,728 | 5,302 | 5,743 | 5,392 |
| - ONGC | 22,088 | 23,429 | 1,963 | 2,115 | 1,982 | 3,754 | 4,140 | 3,954 |
| - Oil India Limited (OIL) | 2,937 | 2,881 | 245 | 266 | 227 | 486 | 521 | 449 |
| - Private / Joint Ventures (JVs) | 6,872 | 6,338 | 560 | 561 | 519 | 1,062 | 1,082 | 989 |
| (b) Net availability (excluding flare gas and loss) | 30,848 | 31,731 | 2,697 | | 2,662 | 5,153 | | 5,261 |
| (c) LNG import | 24,686 | 26,328 | 1,936 | | 2,260 | 4,119 | | 4,540 |
| (d) Total consumption including internal consumption (b+c) | 55,534 | 58,059 | 4,633 | | 4,922 | 9,272 | | 9,801 |
| (e) Total consumption (in BCM) | 55.5 | 58.1 | 4.6 | | 4.9 | 9.3 | | 9.8 |
| (f) Import dependency based on consumption (%), {c/d*100} | 44.5 | 45.3 | 41.8 | | 45.9 | 44.4 | | 46.3 |

Note: Some sub-totals/ totals may not add-up due to rounding off at individual levels.

17. 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 | May 2018 (P) | 62.6 MMSCM |
| Production of CBM gas | April-May 2018 (P) | 125.6 MMSCM |

18. Gas pipelines under execution / construction as on 01.06.2018

| Network/ Region | Entity | Length sanctioned (KM) | Design capacity (MMSCMD) | Pipeline size |
|--|---------------------------------|------------------------|--------------------------|-------------------------|
| Kochi-Kottanad-Bengaluru-Mangalore | GAIL (India) Ltd | 1,056 | 16 | 24"/18"/12" |
| Dabhol - Bengaluru (DBPL) | GAIL (India) Ltd | 302 | 16 | 36"/30"/24"/18" |
| Jagdishpur- Haldia-Bokaro-Dhamra | GAIL (India) Ltd | 2,539 | 16 | 30"/24"/18"/12"/8"/4" |
| Mallavaram – Bhopal - Bhilwara | GSPC India Transco Ltd | 2,042 | 78.25 | 42"/36"/30"/24"/18"/12" |
| Mehsana - Bathinda | GSPC India Gasnet Ltd | 2,052 | 77.11 | 36"/24"/18"/12" |
| Bathinda - Jammu - Srinagar | GSPC India Gasnet Ltd | 725 | 42.42 | 24"/18"/16"/12"/8"/6" |
| Kakinada - Vizag - Srikakulam | AP Gas Distribution Co. | 391 | 90 | 24"/18"/8"/4" |
| Ennore - Nellore | Gas Transmission India Pvt. Ltd | 250 | 36 | 24"/18" |
| Ennore-Thiruvallur-Bengaluru-Puducherry-Nagapattinam-Madurai-Tuticorin | Indian Oil Corporation Limited | 1,385 | 84.67 | 28"/24"/16"/12"/10" |
| Jaigarh-Mangalore | H-Energy Pvt. Ltd | 635 | 17 | 24" |
| Total | | 11,377 | | |

19. Existing LNG terminals

| Location | Promoters | Capacity (MMTPA) as on 01.06.2018 | Capacity utilisation in % April-May 2018 (P) |
|-----------------------|---------------------------|-----------------------------------|--|
| Dahej | Petronet LNG Ltd (PLL) | 15 MMTPA | 110.5 |
| Hazira | Hazira LNG Pvt Ltd (HLPL) | 5 MMTPA | 85.6 |
| Dabhol | RGPPL (GAIL - NTPC JV) | 1.692 MMTPA* | 3.4 |
| Kochi | Petronet LNG Ltd (PLL) | 5 MMTPA | 9.7 |
| Total Capacity | | 26.7 MMTPA | |

* To increase to 5 MMTPA with breakwater

20. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.06.2018

| State | Entity operating | Geographical area | CNG stations | PNG connections | | | No. of CNG vehicles |
|-----------------------|---|---|--------------|-----------------|------------|------------|---------------------|
| | | | | Domestic | Commercial | Industrial | |
| Haryana | Haryana City Gas Distribution Ltd, Adani Gas Limited, GAIL Gas Ltd., Indraprastha Gas Ltd. , Indian Oil-Adani Gas Pvt. Ltd. | Sonepat, Faridabad, Gurgaon, Rewari, Panipat | 51 | 75,874 | 241 | 364 | 1,26,627 |
| Andhra Pradesh | Bhagyanagar Gas Ltd, Godavari Gas Pvt.Ltd., Megha Engineering & Infrastructures Ltd. | Kakinada, Vijayawada, East/ West Godavari, Krishna | 24 | 15,929 | 55 | 2 | 18,453 |
| Gujarat | 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, Sabarkantha and Patan, Surat-Bharuch-Ankleswar GA, Nadiad GA, Navsari GA, Rajkot GA, Surendra Nagar GA, Hazira GA, Valsad GA, Jamnagar GA, Bhavnagar GA, Kutch (West) GA, UT of Dadra and Nagar Haveli GA, Amreli District GA, Dahej-Vagra Taluka GA, Dahod District GA, Panchmahal District GA, Anand (Exclusive area authorised) district GA, Ahmedabad (Excluding area already authorised) district GA, Vadodara, Vadodara Rural and Ahmedabad Urban, Anand and Palanpur | 458 | 18,67,768 | 17,956 | 4,598 | 9,34,103 |

20. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.06.2018

| State | Entity operating | Geographical area | CNG stations | PNG connections | | | No. of CNG vehicles |
|---------------------------------|---|---|--------------|-----------------|------------|------------|---------------------|
| | | | | Domestic | Commercial | Industrial | |
| Telangana | Bhagyanagar Gas Ltd. | Hyderabad | 33 | 7,887 | 9 | 5 | 24,518 |
| Assam | Assam Gas Co. Ltd | Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat | 0 | 31,764 | 1,045 | 409 | 0 |
| Madhya Pradesh | Aavantika Gas Ltd, GAIL Gas Ltd | Dewas, Vijaiapur, Indore including Ujjain, Gwalior, Pithampur | 30 | 31,041 | 98 | 133 | 30,729 |
| Rajasthan | Rajasthan State Gas Limited | Kota, Neemrana & Kukas | 5 | 462 | 4 | 16 | 7,143 |
| Delhi | Indraprastha Gas Ltd . | NCT of Delhi (Including Noida & Ghaziabad) | 438 | 9,08,632 | 2,222 | 1,269 | 10,32,315 |
| Karnataka | Gail Gas Ltd., Megha Engineering & Infrastructures Ltd. | Bengaluru, Tumkur | 7 | 5,783 | 60 | 31 | 379 |
| Chandigarh | IndianOil- Adani Gas | Chandigarh | 4 | 22,757 | 0 | 0 | 4,000 |
| Kerala | Indian Oil- Adani Gas | Ernakulam | 4 | 5,219 | 3 | 0 | 100 |
| Daman and Diu | Indian Oil- Adani Gas | Daman and Diu | 2 | 2,556 | 17 | 6 | 550 |
| Dadra & Nagar Haveli | Gujarat Gas Ltd. | Dadra & Nagar Haveli | 3 | 621 | 9 | 9 | 209 |
| Punjab | IRM Energy Pvt. Ltd. | Fatehgarh Sahib | 0 | 0 | 0 | 1 | 0 |
| Odisha | GAIL (India) Ltd. | Bhubaneswar | 2 | 102 | 0 | 0 | 594 |
| Uttarakhand | Indian Oil-Adani Gas Pvt. Ltd. | Udham Singh Nagar | 0 | 992 | 0 | 0 | 0 |

20. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.06.2018

| State | Entity operating | Geographical area | CNG stations | PNG connections | | | No. of CNG vehicles |
|----------------------|--|---|--------------|------------------|---------------|--------------|---------------------|
| | | | | Domestic | Commercial | Industrial | |
| Maharashtra | Mahanagar Gas Ltd, Maharashtra Natural Gas Ltd, Gujarat Gas Limited | Mumbai, Greater Mumbai including Thane City, 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 and Palghar and Thane Rural | 272 | 12,41,170 | 3,817 | 228 | 8,15,807 |
| Tripura | Tripura Natural Gas Co. Ltd | Agartala | 6 | 35,286 | 49 | 415 | 10,760 |
| West Bengal | Great Eastern Energy Corporation Ltd. | Kultora, Asansol, Raniganj, Durgapur | 7 | 0 | 0 | 0 | 3,523 |
| 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. | Meerut, Dibiyapur, Mathura, Agra, Kanpur, Bareilly, Lucknow, Moradabad, Firozabad Geographical Area (TTZ), Khurja and Allahabad | 86 | 1,12,286 | 383 | 643 | 1,40,328 |
| Total | | | 1,432 | 43,66,129 | 25,968 | 8,129 | 31,50,138 |

21. Major natural gas pipeline network as on 01.06.2018

| Nature of pipeline | | GAIL | Reliance | GSPL | ARN | IOCL | ONGC | Total |
|--------------------|---------------|--------|----------|-------|-----|------|--------|--------|
| Natural gas | Length (KM) | 11,410 | 1,784 | 2,618 | 817 | 140 | 16,770 | 33,540 |
| | Cap (MMSCMD)* | 229.5 | 83.5 | 43.0 | 3.2 | 9.5 | 368.8 | 737.5 |

*GAIL's pipeline capacity is inclusive of CJPL (5 MMSCMD) and DBPL (31 MMSCMD) which is the extension of DVPL-2 / VDPL.

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 | 2.50 | 5.30 |
| April 2017 - September 2017 | 2.48 | 5.56 |
| October 2017 - March 2018 | 2.89 | 6.30 |
| April 2018 - September 2018 | 3.06 | 6.78 |

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

| International FOB prices/ Exchange rates (\$/bbl) | | | | Price buildup of petroleum products (Rs./litre/Cylinder) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------------|--|--|--------------------------------------|----------------------|--|--|---------|--|--|--|--|-------------------------------|--------------------------------------|-------------------------------|--------------------------------------|---------|------|-----|------|-----|--------------|------|------|------|-----|--------------|---|--------------|---|--------------|
| Particulars | 2016-17 | 2017-18 | May-18 | Particulars | Petrol* | Diesel* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crude oil (Indian Basket) | 47.56 | 56.43 | 75.31 | Price charged to dealers (excluding Excise Duty and VAT) | 36.96 | 39.96 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Petrol | 58.10 | 67.83 | 85.31 | Excise Duty | 19.48 | 15.33 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diesel | 56.59 | 68.19 | 88.62 | Dealer Commission (Average) | 3.62 | 2.52 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kerosene | 56.81 | 67.65 | 88.25 | VAT (incl VAT on dealer commission) | 16.21 | 9.97 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LPG (\$/MT) | 393.31 | 486.04 | 503.00 | Retail selling price (RSP) -Rounded | 76.27 | 67.78 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FO (\$/MT) | 258.92 | 327.50 | 432.25 | Particulars | PDS SKO* | Sub. Dom LPG* | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Naphtha (\$/MT) | 415.17 | 494.73 | 648.76 | Price before taxes and dealer/distributor commission | 22.05 | 616.05 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exchange (Rs./\$) | 67.09 | 64.45 | 67.54 | Dealer/distributor commission | 2.03 | 49.18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customs & excise duty rates (w.e.f. 02.02.2018) | | | | GST (incl GST on dealer/distributor commission) | 1.20 | 33.27 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product | Basic Customs duty | Excise duty | GST rates | Retail Selling Price | 25.29 | 698.50 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Petrol | 2.50% | Rs 19.48/Ltr | ** | Less: Cash Compensation on LPG to consumers under DBTL | | 204.95 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diesel | 2.50% | Rs 15.33/Ltr | ** | Effective cost to consumer after subsidy | | 493.55 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PDS SKO | Nil | Not Applicable | 5.00% | *Petrol and diesel at Delhi as per IOCL are as on 19th June, 2018. SKO at Mumbai is as on 16th June, 2018 and Sub. Dom LPG at Delhi is as on 1st June, 2018. RSP of Subsidized Dom LPG rounded. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Non-PDS SKO | 5.00% | | 18.00% | 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 \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Domestic LPG | Nil*** | | 5.00% | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="background-color: #D9E1F2;">Product</th> <th colspan="2" style="background-color: #D9E1F2;">Impact of change in product price by \$1per bbl / \$10per MT</th> <th colspan="2" style="background-color: #D9E1F2;">Impact of change in exchange rate by ₹1/\$</th> </tr> <tr> <th style="background-color: #D9E1F2;">Per unit impact (₹/lit./cyl.)</th> <th style="background-color: #D9E1F2;">Annualised financial impact (₹crore)</th> <th style="background-color: #D9E1F2;">Per unit impact (₹/lit./cyl.)</th> <th style="background-color: #D9E1F2;">Annualised financial impact (₹crore)</th> </tr> </thead> <tbody> <tr> <td>PDS SKO</td> <td style="text-align: center;">0.42</td> <td style="text-align: center;">180</td> <td style="text-align: center;">0.57</td> <td style="text-align: center;">250</td> </tr> <tr> <td>Domestic LPG</td> <td style="text-align: center;">9.68</td> <td style="text-align: center;">1300</td> <td style="text-align: center;">7.13</td> <td style="text-align: center;">950</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1,480</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1,200</td> </tr> </tbody> </table> | | | | | 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 | 0.42 | 180 | 0.57 | 250 | Domestic LPG | 9.68 | 1300 | 7.13 | 950 | Total | - | 1,480 | - | 1,200 |
| 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 | 0.42 | | 180 | 0.57 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Domestic LPG | 9.68 | 1300 | 7.13 | 950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | - | 1,480 | - | 1,200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Non Domestic LPG | 5.00% | 18.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Furnace Oil (Non-Fert) | 5.00% | 18.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Naphtha (Non-Fert) | 5.00% | 18.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ATF | Nil | 14% * | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crude Oil | Nil+Rs.50/- MT as NCCD | Nil+Cess@ 20% +Rs.50/- MT NCCD | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *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.*** 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. | | | | Note: The above calculations are based on RTP for June, 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

| 23. Information on Prices, Taxes and Under-recoveries/Subsidies | | | | | | | | |
|--|---------------|---------------|---|---------------|-----------------|--------------|-----------------|--|
| Under-recoveries/subsidy & burden sharing | | | Sales & profit of petroleum sector (Rs. Crores) | | | | | |
| PDS Kerosene | | | 2017-18 | | Turnover | PAT | | |
| Product | 2016-17 | 2017-18 | Upstream/midstream Companies (PSU) | | 148,473 | 27,231 | | |
| | Rs./Crore | | Downstream Companies (PSU) | | 1,017,028 | 35,622 | | |
| Under Recovery | 7595 | 4672 | Standalone Refineries (PSU) | | 120,430 | 5,181 | | |
| Subsidy under DBTK # | 11 | 113 | Private-RIL | | 380,615 | 33,612 | | |
| Total | 7605 | 4785 | Borrowings of OMCs (Rs. Crores) | | | | | |
| #DBTK subsidy excludes cash incentive/assistance for establishment of institutional mechanism for direct transfer of subsidy paid to States/UTs. | | | Company | As on Mar`16* | As on Mar`17 | As on Mar`18 | | |
| | | | IOCL | 52,880 | 54,820 | 58,030 | | |
| | | | BPCL | 15,857 | 23,159 | 23,351 | | |
| | | | HPCL | 21,167 | 21,250 | 20,991 | | |
| | | | *Regrouped as per Ind AS | | | | | |
| Domestic LPG under DBTL (Direct benefit transfer for LPG) | | | Petroleum sector contribution to Central/State Govt. | | | | | |
| Particulars | 2016-17 | 2017-18 | Particulars | 2015-16 | 2016-17 | 2017-18 | | |
| | Rs./Crore | | Central Government | | 2,53,615 | 3,34,534 | 3,43,858 | |
| DBTL subsidy | 12,905 | 20,880 | % of total revenue receipts | | 21% | 24% | - | |
| PME & IEC [^] | - | 25 | State Governments | | 1,60,209 | 1,89,770 | 2,09,155 | |
| Total | 12,905 | 20,905 | % of total revenue receipts | | 8% | 8% | - | |
| PMUY (Pradhan Mantri Ujjwala Yojana) | | | Total (Rs. Crores) | | | | | |
| Particulars | 2016-17 | 2017-18 | 4,13,824 | | 5,24,304 | | 5,53,013 | |
| | Rs./Crore | | Subsidy as a percentage of GDP (at current prices) | | | | | |
| PMUY claims | 2999 | 2496 | Particulars | 2014-15 | 2015-16 | 2016-17 | | |
| PME & IEC [^] | - | 63 | Petroleum subsidy | | 0.62 | 0.25 | 0.18 | |
| Total | 2999 | 2559 | Note: GDP figure for 2014-15 and 2015-16 are Revised Estimates and 2016-17 are Provisional Estimates | | | | | |
| [^] on payment basis | | | | | | | | |

24. Capital expenditure of PSU oil companies

(Rs in crores)

| Company | 2014-15 | 2015-16 (P) | 2016-17 (P) | 2017-18 (P) | 2018-19 | |
|---|---------------|---------------|----------------|----------------|---------------|---------------|
| | | | | | Target | April-May (P) |
| ONGC Ltd | 29,997 | 29,502 | 28,010 | 72,383 | 32,077 | 3,351 |
| ONGC Videsh Ltd (OVL) | 7,172 | 6,783 | 18,360 | 6,240 | 5,886 | 725 |
| Oil India Ltd (OIL) | 3,774 | 3,550 | 10,514 | 8,395 | 4,300 | 440 |
| GAIL (India) Ltd | 1,632 | 1,880 | 2,180 | 3,613 | 4,722 | 470 |
| Indian Oil Corp. Ltd. (IOCL) | 14,314 | 14,368 | 21,918 | 20,345 | 22,862 | 4,149 |
| Hindustan Petroleum Corp. Ltd (HPCL) | 2,670 | 5,459 | 5,861 | 7,134 | 8,425 | 584 |
| Bharat Petroleum Corp. Ltd (BPCL) | 6,875 | 10,926 | 16,810 | 8,161 | 7,400 | 1,120 |
| Mangalore Refinery & Petrochem Ltd (MRPL) | 2,747 | 1,550 | 614 | 1,281 | 744 | 76 |
| Chennai Petroleum Corp. Ltd (CPCL) | 466 | 1,318 | 1,293 | 963 | 1,010 | 126 |
| Numaligarh Refinery Ltd (NRL) | 103 | 237 | 500 | 387 | 428 | 42 |
| Balmer Lawrie Co. Ltd (BL) | 80 | 38 | 73 | 78 | 125 | 4 |
| Engineers India Ltd (EIL) # | - | - | - | - | 1356 | 1 |
| Total | 69,830 | 75,611 | 106,133 | 128,981 | 89,335 | 11,088 |

(P) Provisional & includes expenditure on investment in JV/subsidiaries.

Included since 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 | 1.071 | 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 | 1,314 SCM | Power generation from 1 MMSCMD of gas | 220 MW |