Ready Reckoner

Snapshot of India's Oil & Gas data

September, 2018



Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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Highlights for the month

- Indigenous crude oil and condensate production during September 2018 was lower by 4.2% than that of September 2017. PSC fields registered growth of 1.7% during the month over September 2017 while PSU companies registered de-growth of 6.4%. On cumulative basis de-growth of 3.4% was registered during April-September 2018 over the corresponding period of the previous year.
- Total crude oil processed during September 2018 was 20.9 MMT, which was an increase of 1.3% over September 2017. PSU/JV refineries registered an increase of 3.1% whereas private refineries registered a decrease of 1.8%. On cumulative basis an increase of 5% was registered in the total crude oil processed during April-September 2018 over the corresponding period of the previous year. Refineries processed 75.9% high sulphur crude oil during September 2018 against 76.1% during September 2017.
- Production of petroleum products during September 2018 saw a growth of 2.6% over September 2017. On cumulative basis
 an increase of 6.6% was registered in the total production of petroleum products during April-September 2018 over the
 corresponding period of the previous year.
- Quantity of crude oil imported during September 2018 and April-September 2018 increased by 2.1% and 5.8% respectively as compared to the same period of the previous year.
- Quantity of products imported increased by 17.8% and decreased by 5.5% during September 2018 and April-September 2018 respectively over the corresponding period of the previous year. Increase in POL product imports during September 2018 was mainly due to increase in imports of LPG & MS. Decrease in POL product imports during April-September 2018 was due to decrease in imports of HSD and petcoke.
- Quantity of products exported decreased by 3.0% and 6.3% during September 2018 and April-September 2018 respectively
 over the corresponding period of the previous year. Decrease in exports during April-September 2018 was mainly due to
 decrease in exports of MS, naphtha, fuel oil and VGO.
- Petroleum product consumption registered a growth of 1.1% during September 2018 and a cumulative growth of 3.6% during April to September 2018. Last year during September 2017, a growth of 10.6% and cumulative growth of 3.6% during period April to September 2017 was observed. Except for naphtha (-3.2%), SKO (-15.1%), HSD (-0.8%) and petcoke (-10.2%), all other products registered positive growth during September 2018.

- Total LPG consumption continuously for the last sixty one months in a row recorded a positive growth of 6.4% during September 2018 and a cumulative growth of 7.1% for the period April to September 2018 was observed. This year during the period April to September 2018, 27.3 lakh DBCs and 250.8 lakh new connections were released out of which 203.5 lakh were released under PMUY. Nearly 106.8 lakh new connections have been released more during the current year in this period compared to last year. Total 559.5 lakh connections were released under PMUY till 30.09.2018 since inception. Out of the five regions, Northern region had the highest share in consumption of 31% followed by Southern region at 28.6%, Western region at 22.7%, Eastern region at 15.6% and North Eastern region at 2.2% during September 2018. Eastern region had the highest growth of 12.1% in total LPG consumption during September 2018.
- SKO consumption registered a de-growth of 15.1% during September 2018 and cumulative de-growth of 10.1% during April to September 2018. Last year during September 2018, a de-growth of 33.5% and cumulative de-growth of 35.6% during April to September 2017 was observed. Cumulative reduction in PDS SKO allocation was 12.1% during Q1 & Q2, 2018-19 compared to same period of the previous year.
- Gross production of natural gas for the month of September 2018 was 2684 MMSCM which was lower by 1.4% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 16255 MMSCM for the current financial year till September 2018 was lower by 1.0% compared with the corresponding period of the previous year.
- LNG import for the month of September 2018 was 2315 MMSCM which was 3.2% higher than the corresponding month of the previous year. The cumulative import of 14068 MMSCM for the current year till September 2018 was higher by 15.4% compared with the corresponding period of the previous year.
- The price of Brent Crude averaged \$78.85/bbl during September 2018 as against \$72.62/bbl during August 2018 and \$56.05/bbl during September 2017. The Indian basket crude price averaged \$77.88/bbl during September 2018 as against \$72.53/bbl during August 2018 and \$54.52/bbl during September 2017.
- The import bill of crude oil is estimated to increase by 42% from \$88 billion in 2017-18 to \$125 billion in 2018-19 considering Indian basket crude oil price of \$77.88/bbl and \$/Rs.= 72.22 for the balance part of the year.

| | 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 | 8.2 | 7.1 | 6.7 PE | 8.2 E (Q1) | | | | | |
| 3 | Agricultural Production (Food grains) | MMT | 265.0 | 252.0 | 251.6 | 275.1 FE | 284.8 4 th AE | 141.6 1 st AE (Kharif) | | | | | |
| | | Growth % | 3.1 | -4.9 | -0.2 | 9.4 | 3.5 | 5.1 | | | | | |
| 4 | Gross Fiscal Deficit | % | -4.5 | -4.1 | -3.9 | -3.5 | -3.5 RE | 3.3 BE | | | | | |

| | Economic indicators | Unit/ Base | 2016-17 | 2017-18 | September | | April-September | |
|---|--|------------|---------|---------|-----------|-------------|-----------------|-------------|
| | | | | | 2017-18 | 2018-19 (P) | 2017-18 | 2018-19 (P) |
| 5 | Index of Industrial Production | Growth % | 4.6 | 4.4 | 4.8# | 4.3# | 2.3* | 5.2* |
| Ľ | (Base: 2011-12) | Growth 70 | | | | | QE | QE |
| 6 | Imports | \$ Billion | 384.4 | 465.6 | 38.0 | 41.9 | 222.4 | 258.4 |
| 7 | Exports | \$ Billion | 275.9 | 303.5 | 28.6 | 28.0 | 145.8 | 164.0 |
| 8 | Trade Balance | \$ Billion | -108.5 | -162.1 | -9.4 | -14.0 | -76.7 | -94.3 |
| 9 | Foreign Exchange Reserves [@] | \$ Billion | 370.0 | 424.4 | 400.5 | 399.7 | - | - |

IIP is for the month of "August and *April-August; [@]2016-17-as on March 31, 2017, 2017-18-as on March 30, 2018, September 2017- as on September 29, 2017 and September 2018-as on September 28, 2018; E-Estimates; AE-Advanced Estimates; RE-Revised Estimates; PE-Provisional Estimates; FE-Final Estimates; QE-Quick 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 | petroleu | m produc | ts at a gl | ance | | |
|---|---|------------|----------|----------|------------|-------------|----------|-------------|
| | Details | Unit/ Base | 2016-17 | 2017-18 | Sept | ember | April-Se | ptember |
| | | | | | 2017-18 | 2018-19 (P) | 2017-18 | 2018-19 (P) |
| 1 | Crude oil production in India | MMT | 36.0 | 35.7 | 2.9 | 2.8 | 18.0 | 17.4 |
| 2 | Consumption of petroleum products | MMT | 194.6 | 206.2 | 16.4 | 16.5 | 100.7 | 104.4 |
| 3 | Production of petroleum products | MMT | 243.5 | 254.3 | 20.8 | 21.3 | 122.6 | 130.8 |
| 4 | Gross natural gas production | MMSCM | 31,897 | 32,648 | 2,723 | 2,684 | 16,413 | 16,255 |
| 5 | Natural gas consumption | MMSCM | 55,534 | 58,059 | 4,895 | 4,931 | 28,149 | 29,929 |
| 6 | Imports & exports: | | | | | | | |
| | Crude oil imports | MMT | 213.9 | 220.4 | 17.6 | 18.0 | 106.8 | 113.0 |
| | Crude on imports | \$ Billion | 70.2 | 87.8 | 6.6 | 9.8 | 37.6 | 58.7 |
| | Petroleum products (POL) | MMT | 36.3 | 35.5 | 2.5 | 2.9 | 17.8 | 16.8 |
| | imports | \$ Billion | 10.6 | 13.6 | 0.9 | 1.4 | 5.9 | 8.3 |
| | Gross petroleum imports | MMT | 250.2 | 255.9 | 20.1 | 20.9 | 124.6 | 129.8 |
| | (Crude + POL) | \$ Billion | 80.8 | 101.4 | 7.5 | 11.2 | 43.4 | 67.0 |
| | Petroleum products exports | MMT | 65.5 | 66.8 | 6.3 | 6.1 | 32.8 | 30.7 |
| | retroleum products exports | \$ Billion | 29.0 | 34.9 | 3.1 | 4.1 | 15.5 | 20.4 |
| | LNG imports* | MMSCM | 24,686 | 26,328 | 2,243 | 2,315 | 12,195 | 14,068 |
| | • | \$ Billion | 6.1 | 7.8 | 0.6 | 0.8 | 3.1 | 4.9 |
| 7 | Petroleum imports as percentage of India's gross imports (in value terms) | % | 21.0 | 21.8 | 19.7 | 26.8 | 19.5 | 25.9 |
| 8 | Petroleum exports as percentage of India's gross exports (in value terms) | % | 10.5 | 11.5 | 11.0 | 14.8 | 10.6 | 12.4 |
| 9 | Import dependency of crude (on consumption basis) | % | 81.7 | 82.9 | 83.3 | 83.7 | 82.6 | 83.3 |

^{*}RIL LNG Import data not received for Sep 2018. Hence average quantity from Apr-Aug has been taken . Value based upon average industry change over previous month.

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| 3. Indigenous crude oil production (Million Metric Tonnes) | | | | | | | | | | | | |
|--|---------|---------|---------|----------------------|----------------|---------|----------------------|----------------|--|--|--|--|
| Details | 2016-17 | 2017-18 | | September | | Α | pril-Septembe | er | | | | |
| | | | 2017-18 | 2018-19 (Target)* | 2018-19 (P) | 2017-18 | 2018-19 (Target)* | 2018-19 (P) | | | | |
| ONGC | 20.9 | 20.8 | 1.7 | 1.9 | 1.6 | 10.6 | 11.2 | 9.9 | | | | |
| Oil India Limited (OIL) | 3.3 | 3.4 | 0.3 | 0.3 | 0.3 | 1.7 | 1.8 | 1.7 | | | | |
| Private / Joint Ventures (JVs) | 10.4 | 9.9 | 0.8 | 0.8 | 0.8 | 4.9 | 5.1 | 4.9 | | | | |
| Total Crude Oil | 34.5 | 34.0 | 2.8 | 3.0 | 2.7 | 17.2 | 18.1 | 16.6 | | | | |
| ONGC condensate | 1.4 | 1.5 | 0.1 | | 0.1 | 0.7 | | 0.7 | | | | |
| PSC condensate | 0.1 | 0.2 | 0.01 | | 0.02 | 0.09 | | 0.11 | | | | |
| Total condensate | 1.5 | 1.6 | 0.1 | 0.0 | 0.1 | 0.8 | 0.0 | 0.9 | | | | |
| Total (Crude + Condensate) (MMT) | 36.0 | 35.7 | 2.9 | 3.0 | 2.8 | 18.0 | 18.1 | 17.4 | | | | |
| Total (Crude + Condensate) (Million Bbl) | 263.9 | 261.6 | 21.4 | 22.0 | 20.5 | 132.1 | 133.0 | 127.6 | | | | |

^{*}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 September April | | | | | | | | | | | |
| | | | 2017-18 | 2018-19 (P) | 2017-18 | 2018-19 (P) | | | | | |
| Total domestic production (MMTOE) | 67.9 | 68.3 | 5.6 | 5.5 | 34.4 | 33.7 | | | | | |
| Overseas production (MMTOE) | 17.4 | 21.8 | 1.6 | 2.0 | 10.8 | 12.0 | | | | | |
| Overseas production as percentage of domestic production | 25.6% | 31.8% | 28.4% | 36.0% | 31.2% | 35.5% | | | | | |

Source: ONGC Videsh, GAIL, OIL, IOCL, HPCL & BPRL . Note: FY 2016-17 & 2017-18 data revised in line with revised IOCL data.

| | 5. High Sulphur (HS) & Low Sulphur (LS) crude oil processing (MMT) | | | | | | | | | | | |
|-----------|--|---------|---------|---------|-------------|-----------------|-------------|--|--|--|--|--|
| | Details | 2016-17 | 2017-18 | Septe | ember | April-September | | | | | | |
| | | | | 2017-18 | 2018-19 (P) | 2017-18 | 2018-19 (P) | | | | | |
| 1 | High Sulphur crude | 177.4 | 188.4 | 15.7 | 15.8 | 90.4 | 98.2 | | | | | |
| 2 | Low Sulphur crude | 67.9 | 63.6 | 4.9 | 5.0 | 32.1 | 30.5 | | | | | |
| Total cru | ide processed | 245.4 | 251.9 | 20.6 | 20.9 | 122.5 | 128.7 | | | | | |
| Percenta | age share of HS crude in total crude oil processing | 72.3% | 74.8% | 76.1% | 75.9% | 73.8% | 76.3% | | | | | |

| 6. | 6. Quantity and value of crude oil imports | | | | | | | | | |
|--|--|---------|----------|--|--|--|--|--|--|--|
| Year Quantity (MMT) \$ Million Rs. Crore | | | | | | | | | | |
| 2017-18 | 220.4 | 87,803 | 5,66,450 | | | | | | | |
| 2018-19 (Estimated) | 228.6 | 124,738 | 8,81,282 | | | | | | | |

Note: April - September, 2018 Imports are based on actuals and for October 2018- March 2019 imports are estimated at average price of Indian basket crude oil for September 2018 i.e. \$77.88/bbl and average exchange rate for September 2018 i.e. Rs.72.22/\$.

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

If crude prices changes by one \$/bbl

- Crude oil import bill changes by Rs. 6,158 crores

If exchange rate of Rs./\$ changes by Rs. 1/\$

- Crude oil import bill changes by Rs. 6,639 crores

| | 7. Self-sufficiency in petroleum products (Million Metric Tonnes) | | | | | | | | | | | |
|---|---|---------|---------|---------|-------------|----------|-------------|--|--|--|--|--|
| | Particulars | 2016-17 | 2017-18 | Septe | ember | April-Se | ptember | | | | | |
| | | | | 2017-18 | 2018-19 (P) | 2017-18 | 2018-19 (P) | | | | | |
| 1 | Indigenous crude oil processing | 33.5 | 32.8 | 2.5 | 2.4 | 16.3 | 16.0 | | | | | |
| 2 | Products from indigenous crude (93.3% of crude oil processed) | | 30.6 | 2.3 | 2.3 | 15.3 | 15.0 | | | | | |
| 3 | Products from fractionators (Including LPG and Gas) | 4.3 | 4.6 | 0.4 | 0.4 | 2.2 | 2.4 | | | | | |
| 4 | Total production from indigenous crude & condensate (2 + 3) | | 35.2 | 2.7 | 2.7 | 17.5 | 17.4 | | | | | |
| 5 | Total domestic consumption | 194.6 | 206.2 | 16.4 | 16.5 | 100.7 | 104.4 | | | | | |
| | % Self-sufficiency (4 / 5) | 18.3% | 17.1% | 16.7% | 16.3% | 17.4% | 16.7% | | | | | |

| | 8. Refine | ries: Insta | lled capa | city and | crude oil | processi | ng (MMT | PA / MM | IT) | | | |
|---------|-------------------|-------------|-----------|----------|-------------|--------------|------------|----------|-----------------|---------|--|--|
| Company | Refinery | Installed | | | Cru | ide oil proc | essing (MI | MT) | | | | |
| | | capacity | 2016-17 | 2017-18 | 8 September | | | Арі | April-September | | | |
| | | (1.10.2018) | | | 2017-18 | 2018-19 | 2018-19 | 2017-18 | 2018-19 | 2018-19 | | |
| | | (MMTPA) | | | (Actual) | (Target)* | (P) | (Actual) | (Target)* | (P) | | |
| IOCL | Barauni (1964) | 6.0 | 6.5 | 5.8 | 0.4 | 0.6 | 0.5 | 2.5 | 3.2 | 3.2 | | |
| | Koyali (1965) | 13.7 | 14.0 | 13.8 | 1.1 | 1.2 | 1.0 | 6.3 | 6.5 | 6.6 | | |
| | Haldia (1975) | 7.5 | 7.7 | 7.7 | 0.7 | 0.6 | 0.7 | 4.1 | 3.8 | 4.0 | | |
| | Mathura (1982) | 8.0 | 9.2 | 9.2 | 0.3 | 0.8 | 0.7 | 4.3 | 4.1 | 4.8 | | |
| | Panipat (1998) | 15.0 | 15.6 | 15.7 | 1.3 | 0.6 | 1.3 | 7.5 | 7.2 | 8.2 | | |
| | Guwahati (1962) | 1.0 | 0.9 | 1.0 | 0.08 | 0.08 | 0.09 | 0.50 | 0.48 | 0.55 | | |
| | Digboi (1901) | 0.65 | 0.5 | 0.7 | 0.06 | 0.05 | 0.06 | 0.33 | 0.32 | 0.34 | | |
| | Bongaigaon(1979) | 2.35 | 2.5 | 2.4 | 0.2 | 0.2 | 0.2 | 1.2 | 1.1 | 1.2 | | |
| | Paradip (2016) | 15.0 | 8.2 | 12.7 | 1.2 | 1.2 | 1.2 | 6.9 | 6.8 | 6.6 | | |
| | IOCL-TOTAL | 69.2 | 65.2 | 69.0 | 5.4 | 5.3 | 5.7 | 33.6 | 33.6 | 35.5 | | |
| CPCL | Manali (1969) | 10.5 | 9.8 | 10.3 | 0.7 | 0.9 | 0.9 | 5.0 | 4.9 | 5.3 | | |
| | CBR (1993) | 1.0 | 0.53 | 0.50 | 0.03 | 0.04 | 0.04 | 0.24 | 0.23 | 0.18 | | |
| | CPCL-TOTAL | 11.5 | 10.3 | 10.8 | 0.7 | 0.9 | 1.0 | 5.2 | 5.1 | 5.5 | | |
| BPCL | Mumbai (1955) | 12.0 | 13.5 | 14.1 | 1.2 | 1.1 | 1.1 | 6.7 | 6.8 | 7.2 | | |
| | Kochi (1966) | 15.5 | 11.8 | 14.1 | 1.2 | 1.3 | 1.4 | 6.5 | 8.0 | 8.2 | | |
| BORL | Bina (2011) | 6.0 | 6.4 | 6.7 | 0.6 | 0.0 | 0.0 | 3.6 | 2.7 | 2.5 | | |
| NRL | Numaligarh (1999) | 3.0 | 2.7 | 2.8 | 0.2 | 0.2 | 0.2 | 1.4 | 1.5 | 1.4 | | |
| | BPCL-TOTAL | 36.5 | 34.4 | 37.7 | 3.2 | 2.7 | 2.7 | 18.3 | 18.9 | 19.3 | | |

| Company | Refinery | Installed | | | Cru | de oil proc | essing (MI | MT) | | | |
|------------------|-----------------------|-------------|---------|---------|----------|-------------|------------|-----------------|-----------|---------|--|
| | | capacity | 2016-17 | 2017-18 | 9 | September | | April-September | | | |
| | | (1.10.2018) | | | 2017-18 | 2018-19 | 2018-19 | 2017-18 | 2018-19 | 2018-19 | |
| | | (MMTPA) | | | (Actual) | (Target)* | (P) | (Actual) | (Target)* | (P) | |
| ONGC | Tatipaka (2001) | 0.066 | 0.09 | 0.08 | 0.007 | 0.005 | 0.005 | 0.039 | 0.028 | 0.029 | |
| MRPL | Mangalore (1996) | 15.0 | 16.0 | 16.1 | 1.1 | 1.3 | 1.3 | 7.5 | 7.6 | 7.7 | |
| | ONGC-TOTAL | 15.1 | 16.1 | 16.2 | 1.1 | 1.3 | 1.3 | 7.6 | 7.6 | 7.7 | |
| HPCL | Mumbai (1954) | 7.5 | 8.5 | 8.6 | 0.6 | 0.6 | 0.7 | 4.3 | 4.2 | 4.4 | |
| | Visakh (1957) | 8.3 | 9.3 | 9.6 | 0.8 | 0.8 | 0.8 | 4.9 | 4.7 | 4.9 | |
| HMEL | Bathinda (2012) | 11.3 | 10.5 | 8.8 | 1.0 | 0.9 | 1.0 | 2.9 | 5.4 | 6.2 | |
| | HPCL- TOTAL | 27.1 | 28.3 | 27.1 | 2.5 | 2.2 | 2.6 | 12.0 | 14.3 | 15.5 | |
| RIL | Jamnagar (DTA) (1999) | 33.0 | 32.8 | 33.2 | 2.8 | 2.8 | 2.7 | 16.4 | 16.4 | 16.5 | |
| | Jamnagar (SEZ) (2008) | 35.2 | 37.4 | 37.3 | 3.2 | 3.2 | 3.1 | 19.1 | 19.1 | 18.1 | |
| NEL [#] | Vadinar (2006) | 20.0 | 20.9 | 20.7 | 1.7 | 1.4 | 1.7 | 10.4 | 9.2 | 10.5 | |
| | All India | 247.6 | 245.4 | 251.9 | 20.6 | 19.9 | 20.9 | 122.5 | 124.3 | 128.7 | |

*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 (as on 01.10.2018) | | | | | | | | | | | | |
|-----------------|--|----------------|-----------------|----------------|----------------|---------------|-------|-------|---------|-------|--|--|--|
| De | tails | ONGC | OIL | Cairn | HMEL | IOCL | BPCL | HPCL | Others* | Total | | | |
| Crude Oil | Length (KM) | 1,192 | 1,193 | 688 | 1,017 | 5,301 | 937 | 0 | 0 | 10328 | | | |
| | Cap (MMTPA) | 58.5 | 8.4 | 10.7 | 11.3 | 48.6 | 6.0 | 0.0 | 0.0 | 143.5 | | | |
| Products | Length (KM) | 0 | 654 | 0 | 0 | 7,909 | 1,948 | 3,371 | 2,688 | 16570 | | | |
| | Cap (MMTPA) | 0.0 | 1.7 | 0.0 | 0.0 | 45.4 | 16.2 | 38.1 | 9.3 | 110.6 | | | |
| *Other includes | GAIL and Petronet | India. HPCL an | nd BPCL lubes p | ipeline includ | ed in products | pipeline data | 9 | | | | | | |

| | 10. Gross Re | efining Margins (| GRM) of refinerie | s (\$/bbl) | |
|------------------|------------------|-------------------|-------------------|------------|-------------|
| Company | Refinery | 2015-16 | 2016-17 | 2017-18 | Q1, 2018-19 |
| IOCL | Barauni | 2.93 | 6.52 | 6.60 | 8.78 |
| | Koyali | 6.80 | 7.55 | 9.44 | 9.37 |
| | Haldia | 3.96 | 6.80 | 6.86 | 9.78 |
| | Mathura | 3.30 | 7.01 | 7.09 | 9.03 |
| | Panipat | 4.15 | 7.95 | 7.74 | 10.04 |
| | Guwahati ** | 15.88 | 22.14 | 21.88 | 19.80 |
| | Digboi ** | 16.17 | 24.49 | 24.86 | 27.07 |
| | Bongaigaon ** | 11.09 | 20.15 | 20.62 | 25.37 |
| | Paradip # | -0.65 | 4.22 | 7.02 | 8.69 |
| | Weighted average | 5.06 | 7.77 | 8.49 | 10.21 |
| BPCL | Kochi | 6.87 | 5.16 | 6.44 | 6.79 |
| | Mumbai | 6.37 | 5.36 | 7.26 | 8.23 |
| | Weighted average | 6.59 | 5.26 | 6.85 | 7.49 |
| HPCL | Mumbai | 8.09 | 6.95 | 8.35 | 6.91 |
| | Visakhapatnam | 5.46 | 5.51 | 6.55 | 7.36 |
| | Weighted average | 6.68 | 6.20 | 7.40 | 7.15 |
| CPCL | Chennai | 5.27 | 6.05 | 6.42 | 7.11 |
| MRPL | Mangalore | 5.20 | 7.75 | 7.54 | 8.28 |
| NRL | Numaligarh ** | 23.68 | 28.56 | 31.92 | 30.18 |
| BORL | Bina | 11.70 | 11.80 | 11.70 | 15.00 |
| RIL | Jamnagar | 10.80 | 11.00 | 11.60 | 10.50 |
| 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 | Q1, 2018-19 | | | | | |
| | Guwahati | 1.26 | 1.12 | 3.70 | 3.99 | | | | | |
| IOCL | Digboi | 4.16 | 7.73 | 8.27 | 12.42 | | | | | |
| | Bongaigaon | 0.08 | 6.03 | 6.22 | 12.38 | | | | | |
| NRL | Numaligarh | 8.06 | 8.50 | 11.43 | 13.21 | | | | | |

| 12. Proc | 12. Production and consumption of petroleum products (Million Metric Tonnes) | | | | | | | | | | | |
|------------|--|-------|------|-------|--------------|------|--------------|-------|------------------|-------|--|--|
| Products | 201 | 7-18 | Sep- | 2017 | Sep 2018 (P) | | Apr-Sep 2017 | | Apr-Sep 2018 (P) | | | |
| | Prod | Cons | Prod | Cons | Prod | Cons | Prod | Cons | Prod | Cons | | |
| LPG | 12.4 | 23.3 | 1.0 | 1.9 | 1.0 | 2.1 | 5.8 | 11.2 | 6.3 | 12.0 | | |
| MS | 37.8 | 26.2 | 3.1 | 2.1 | 3.1 | 2.2 | 18.5 | 13.0 | 19.1 | 14.0 | | |
| NAPHTHA | 20.0 | 12.9 | 1.7 | 1.2 | 1.7 | 1.1 | 9.8 | 6.0 | 9.8 | 6.8 | | |
| ATF | 14.7 | 7.6 | 1.2 | 0.6 | 1.2 | 0.7 | 6.9 | 3.7 | 7.7 | 4.1 | | |
| SKO | 4.3 | 3.8 | 0.3 | 0.3 | 0.4 | 0.3 | 2.2 | 2.0 | 2.1 | 1.8 | | |
| HSD | 108.1 | 81.1 | 8.9 | 6.1 | 8.7 | 6.0 | 52.4 | 39.6 | 55.0 | 40.8 | | |
| LDO | 0.6 | 0.5 | 0.04 | 0.04 | 0.06 | 0.04 | 0.2 | 0.2 | 0.3 | 0.3 | | |
| LUBES | 1.0 | 3.9 | 0.1 | 0.3 | 0.1 | 0.4 | 0.5 | 1.7 | 0.5 | 1.9 | | |
| FO/LSHS | 10.3 | 6.7 | 0.9 | 0.6 | 0.9 | 0.6 | 5.4 | 3.4 | 4.9 | 3.2 | | |
| BITUMEN | 5.3 | 6.1 | 0.2 | 0.3 | 0.3 | 0.4 | 2.3 | 2.4 | 2.5 | 2.9 | | |
| PET COKE | 13.9 | 25.7 | 1.1 | 2.2 | 1.2 | 2.0 | 6.8 | 13.6 | 7.1 | 11.6 | | |
| OTHERS | 26.2 | 8.3 | 2.3 | 0.7 | 2.7 | 0.8 | 11.8 | 3.8 | 15.4 | 4.8 | | |
| ALL INDIA | 254.3 | 206.2 | 20.8 | 16.4 | 21.3 | 16.5 | 122.6 | 100.7 | 130.8 | 104.4 | | |
| Growth (%) | 4.4% | 5.9% | 7.9% | 10.6% | 2.6% | 1.1% | 2.1% | 3.6% | 6.6% | 3.6% | | |

Note: Prod - Production; Cons - Consumption

| | 13. LPG consumption (Thousand Metric Tonne) | | | | | | | | | |
|----------------------------|---|----------|---------|-------------|--------|----------|-----------------|--------|--|--|
| LPG category | 2016-17 | 2017-18 | | September | | | April-September | | | |
| 0 / | | | 2017-18 | 2018-19 (P) | Gr (%) | 2017-18 | 2018-19 (P) | Gr (%) | | |
| 1. PSU Sales : | | | | | | | | | | |
| LPG-Packed Domestic | 18871.4 | 20,351.8 | 1692.4 | 1800.6 | 6.4 | 9,793.0 | 10,517.1 | 7.4 | | |
| LPG-Packed Non-Domestic | 1775.9 | 2,085.8 | 173.3 | 189.4 | 9.3 | 975.6 | 1,114.0 | 14.2 | | |
| LPG-Bulk | 364.3 | 355.4 | 29.1 | 26.4 | -9.3 | 181.7 | 166.3 | -8.5 | | |
| Auto LPG | 167.3 | 184.4 | 15.7 | 14.9 | -5.1 | 93.3 | 92.4 | -1.0 | | |
| Sub-Total (PSU Sales) | 21,178.9 | 22,977.4 | 1,910.5 | 2,031.3 | 6.3 | 11,043.7 | 11,889.8 | 7.7 | | |
| 2. Direct Private Imports* | 429.3 | 364.5 | 23.2 | 25.8 | 11.2 | 198.8 | 149.0 | -25.0 | | |
| Total (1+2) | 21,608.2 | 23,341.8 | 1,933.7 | 2,057.1 | 6.4 | 11,242.4 | 12,038.8 | 7.1 | | |

^{*}April to July 2018 import data are actuals provided by DGCIS and August & September 2018 import data are prorated on the basis of August 2017 to July 2018 actual data provided by DGCIS.

| 14. Kerosene allocation vs upliftment (Kilo Litres) | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|------------|-----------------|--|
| Product | 2015-16 | | 201 | 2016-17 | | 2017-18 | | H1, 2018-19 (P) | |
| | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | |
| PDS Kerosene | 86,85,384 | 85,36,752 | 69,33,030 | 66,78,447 | 50,21,828 | 46,69,164 | 23,04,452 | 21,55,933 | |

| 15. Industr | y marketi | ng infrastr | ucture (as | on 01.10 |).2018) (Pro | ovisional) | | |
|--|-----------|-------------|------------|----------|-------------------|------------|--------|--------|
| Particulars | IOCL | BPCL | HPCL | RIL | NEL ^{##} | SHELL | Others | Total |
| POL Terminal/ Depots (Nos.)\$ | 125 | 78 | 83 | 18 | 2 | ï | 6 | 312 |
| Aviation Fuel Stations (Nos.) [@] | 113 | 52 | 42 | 28 | - | - | 1 | 236 |
| Retail Outlets (total) (Nos.) | 27,325 | 14,565 | 15,255 | 1,400 | 4,833 | 114 | 6 | 63,498 |
| out of which, Rural ROs | 7,678 | 2,657 | 3,387 | 127 | 1,743 | 15 | - | 15,607 |
| SKO/LDO agencies (Nos.) | 3,892 | 1,001 | 1,638 | - | - | - | - | 6,531 |
| LPG Distributors (total) (Nos.) (PSUs only) | 10,839 | 5,422 | 5,305 | ı | ı | ı | ı | 21,566 |
| LPG Bottling plants (Nos.) (PSUs only)# | 89 | 51 | 48 | - | - | - | 3 | 191 |
| LPG Bottling capacity (TMTPA) (PSUs only)& | 9,291 | 3,963 | 4,137 | - | - | - | 173 | 17,564 |
| LPG active domestic consumers (Nos. crore) (PSUs only) | 11.6 | 6.4 | 6.8 | - | - | - | - | 24.7 |

S(RIL= 5 terminals and 13 mini depots, Others=4 MRPL & 2 NRL); (Others=ShellMRPL -1); (Others=MRPL-6); (Others=NRL-1, OIL-1, CPCL-1); (Others=NRL-1) 30, OIL-23, CPCL-120); ##Nayara Energy Limited (formerly Essar Oil Limited). 12

| | 16. Natural gas at a glance | | | | | | | | |
|--|-----------------------------|---------|---------|-----------|---------|---------|--------------|---------|--|
| | | • | • | | | | | (MMSCM) | |
| Details | 2016-17 | 2017-18 | | September | | Ар | ril-Septembe | er | |
| | | | 2017-18 | 2018-19 | 2018-19 | 2017-18 | 2018-19 | 2018-19 | |
| | | | | (Target) | (P) | | (Target) | (P) | |
| (a) Gross production | 31,897 | 32,648 | 2,723 | 2,904 | 2,684 | 16,413 | 17,620 | 16,255 | |
| - ONGC | 22,088 | 23,429 | 1,938 | 2,124 | 2,006 | 11,675 | 12,784 | 12,018 | |
| - Oil India Limited (OIL) | 2,937 | 2,881 | 246 | 263 | 228 | 1,481 | 1,591 | 1,366 | |
| - Private / Joint Ventures (JVs) | 6,872 | 6,338 | 540 | 517 | 450 | 3,256 | 3,246 | 2,871 | |
| (b) Net availability | 30,848 | 31,731 | 2.652 | | 2,616 | 15.054 | | 15,861 | |
| (excluding flare gas and loss) | 30,040 | 31,/31 | 2,653 | | 2,010 | 15,954 | | 15,601 | |
| (c) LNG import | 24,686 | 26,328 | 2,243 | | 2,315 | 12,195 | | 14,068 | |
| (d) Total consumption including internal | FE E24 | E0 0E0 | 4 005 | | 4.021 | 20 140 | | 20.020 | |
| consumption (b+c) | 55,534 | 58,059 | 4,895 | | 4,931 | 28,149 | | 29,929 | |
| (e) Total consumption (in BCM) | 55.5 | 58.1 | 4.9 | | 4.9 | 28.1 | | 29.9 | |
| (f) Import dependency based on | 44.5 | 45.3 | 45.8 | | 46.9 | 43.3 | | 47.0 | |
| consumption (%), {c/d*100} | 44.5 | 45.5 | 45.6 | | 40.9 | 45.5 | | 47.0 | |

Note: Some sub-totals/ totals may not add-up due to rounding off at individual levels. RIL LNG Import data not received for Sep 2018. Hence average quantity from Apr-Aug has been taken.

| The true true true true true true true tru | | | | | | | |
|--|--------------------------------|---------------|--------|--|--|--|--|
| 17. Coal E | Bed Methane (CBM) gas developm | ient 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 | September 2018 (P) | 54.2 | MMSCM | | | | |
| Production of CBM gas | April-September 2018 (P) | 352.8 | MMSCM | | | | |

| 18. Major natural gas pipeline network as on 01.10.2018 | | | | | | | | | |
|---|----------------|--------|----------|-------|-----|------|--------|--|--|
| Natu | re of pipeline | GAIL | Reliance | GSPL | ARN | IOCL | Total | | |
| Natural and | Length (KM) | 11,410 | 1,784 | 2,620 | 817 | 140 | 16,771 | | |
| Natural gas | Cap (MMSCMD)* | 229.5 | 83.5 | 43.0 | 3 | 9.5 | 368.7 | | |

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

| 19. Gas pipelir | es under execution / co | onstruction a | as on 01.10. | .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. | 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 | | |

| | 20. Existing LNG terminals | | | | | | | | | |
|----------------|----------------------------|-----------------------------------|---|--|--|--|--|--|--|--|
| Location | Promoters | Capacity (MMTPA) as on 01.09.2018 | Capacity utilisation in % April-August 2018 (P) | | | | | | | |
| Dahej | Petronet LNG Ltd (PLL) | 15 MMTPA | 109.8 | | | | | | | |
| Hazira | Hazira LNG Pvt Ltd (HLPL) | 5 MMTPA | 95.2 | | | | | | | |
| Dabhol | RGPPL (GAIL - NTPC JV) | 1.692 MMTPA* | 3.9 | | | | | | | |
| Kochi | Petronet LNG Ltd (PLL) | 5 MMTPA | 10.1 | | | | | | | |
| Total Capacity | | 26.7 MMTPA | | | | | | | | |

^{*} To increase to 5 MMTPA with breakwater

| 21. Stat | tus of PNG connections, | CNG stations and CNG vehicl | es acro | ss India (| Nos.) as o | on 01.10. | 2018 |
|-------------------------|--|--|----------|------------|------------|--------------|------------|
| State | Entity operating | Geographical area/City | CNG | No. of CNG | PNO | G connection | ıs |
| State | Entity operating | Geographical area/City | stations | vehicles | Domestic | Commercial | Industrial |
| Andhra Pradesh | Bhagyanagar Gas Ltd, Godavari Gas Pvt.Ltd., Megha Engineering & Infrastructures Ltd. | IKakinada Viiavawada Fast/ West | 26 | 19,417 | 16,493 | 74 | 2 |
| Assam | Assam Gas Co. Ltd | Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat | 0 | 0 | 31,996 | 1,061 | 412 |
| Chandigarh | IndianOil- Adani Gas | Chandigarh | 4 | 5,000 | 45,006 | 0 | 0 |
| Dadra & Nagar Haveli | Gujarat Gas Ltd. | Dadra & Nagar Haveli | 3 | 849 | 1,223 | 9 | 11 |
| Daman and Diu | Indian Oil- Adani Gas | Daman and Diu | 2 | 500 | 2,755 | 23 | 9 |
| Delhi | Indraprastha Gas Ltd . | NCT of Delhi (Including Noida & Ghaziabad) | 450 | 10,48,903 | 9,70,849 | 2,350 | 1,429 |
| 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 | 469 | 8,67,528 | 19,36,754 | 18,153 | 4,675 |

| 21. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.10.2018 | | | | | | | |
|---|---|---|----------|------------|-------------------|------------|------------|
| Chata | Fatility and sections | Communications (City | CNG | No. of CNG | G PNG connections | | |
| State | tate Entity operating Geographical area/C | | stations | 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. | | 54 | 1,47,601 | 88,817 | 256 | 396 |
| Karnataka | Gail Gas Ltd., Megha Engineering & Infrastructures Ltd. | Bengaluru, Tumkur, Belgaum | 6 | 609 | 8,493 | 89 | 46 |
| Kerala | Indian Oil- Adani Gas | Ernakulam | 4 | 500 | 12060 | 2 | 0 |
| Madhya Pradesh | Aavantika Gas Ltd, GAIL Gas Ltd | Dewas, Vijaipur, Indore including Ujjain, Gwalior, Pithampur | 32 | 35,236 | 37,282 | 111 | 158 |
| Maharashtra | | 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 | 276 | 8,58,447 | 13,13,502 | 3,923 | 237 |
| Odisha | GAIL (India) Ltd. | Bhubaneswar | 4 | 1,509 | 161 | 0 | 0 |
| Punjab | IRM Energy Pvt. Ltd. | Fatehgarh Sahib | 1 | 415 | 120 | 1 | 4 |

| 21. Status of PNG connections, CNG stations and CNG vehicles across India (Nos.) as on 01.10.2018 | | | | | | | |
|---|--|---|----------|------------|--------------------------|------------|------------|
| State | Entity operating | Geographical area/City | CNG | No. of CNG | . of CNG PNG connections | | ns |
| | | cog. upcar area, city | stations | vehicles | Domestic | Commercial | Industrial |
| Rajasthan | Rajasthan State Gas Limited | Kota, Neemrana & Kukas | 5 | 7,938 | 679 | 4 | 12 |
| Telangana | Bhagyanagar Gas Ltd. | Hyderabad | 33 | 24,555 | 8,168 | 9 | 13 |
| Tripura | Tripura Natural Gas Co. Ltd | Agartala | 8 | 11,053 | 36,774 | 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. | Agra, Kanpur, Bareilly, Lucknow, Moradabad, Firozabad Geographical Area | 92 | 1,45,822 | 1,35,321 | 410 | 658 |
| Uttarakhand | Indian Oil-Adani Gas Pvt. Ltd. | Udham Singh Nagar, Haridwar | 1 | 50 | 2,120 | 0 | 1 |
| West Bengal | | Kultora, Asansol, Raniganj, Durgapur | 7 | 3,578 | 0 | 0 | 0 |
| | Total | | 1,477 | 31,79,510 | 46,48,573 | 26,890 | 8,112 |

| 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 | | | | |
| October 2018 - March 2019 | 3.36 | 7.67 | | | | |

| 23. Information on Prices, T | | | | | | |
|------------------------------|---------------------------|---------------------------------------|------------|--|--|--|
| International | FOB prices/ Ex | change rates | (\$/bbl) | | | |
| Particulars | 2016-17 | 2017-18 | Apr-Sep'18 | | | |
| Crude oil (Indian Basket) | 47.56 | 56.43 | 73.68 | | | |
| Petrol | 58.10 | 67.83 | 82.68 | | | |
| Diesel | 56.59 | 68.19 | 86.61 | | | |
| Kerosene | 56.81 | 67.65 | 86.35 | | | |
| LPG (\$/MT) | 393.17 | 485.92 | 551.50 | | | |
| FO (\$/MT) | 258.92 | 327.50 | 431.75 | | | |
| Naphtha (\$/MT) | 415.17 | 494.73 | 630.07 | | | |
| Exchange (Rs./\$) | 67.09 | 64.45 | 68.51 | | | |
| Customs, excise | duty & GST ra | tes (as on 11. | 10.2018) | | | |
| Product | Basic customs | Excise duty | GST rates | | | |
| | duty# | | | | | |
| Petrol | 2.50% | Rs 17.98/Ltr | ** | | | |
| Diesel | 2.50% | Rs 13.83/Ltr | ** | | | |
| PDS SKO | Nil | | 5.00% | | | |
| Non-PDS SKO | 5.00% | | 18.00% | | | |
| Domestic LPG | Nil*** | Not Applicable | 5.00% | | | |
| Non Domestic LPG | 5.00% | пот Арріісавіе | 18.00% | | | |
| Furnace Oil (Non-Fert) | 5.00% | | 18.00% | | | |
| Naphtha (Non-Fert) | 5.00% | | 18.00% | | | |
| ATF | 5.00% | 11% * | ** | | | |
| 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 excluding CVD in liue 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.

| axes and Under-recoveries/Subsidies | | | | | |
|--|-----------------|---------------|--|--|--|
| Price buildup of petroleum products (| Rs./litre/Cylir | nder) | | | |
| Particulars | Petrol* | Diesel* | | | |
| Price charged to dealers (excluding Excise Duty and VAT) | 43.49 | 48.02 | | | |
| Excise Duty | 17.98 | 13.83 | | | |
| Dealer Commission (Average) | 3.66 | 2.53 | | | |
| VAT (incl VAT on dealer commission) | 17.59 | 11.08 | | | |
| Retail selling price (RSP) -Rounded | 82.72 | 75.46 | | | |
| Particulars | PDS SKO* | Sub. Dom LPG* | | | |
| Price before taxes and dealer/distributor commission | 24.05 | 787.71 | | | |
| Dealer/distributor commission | 2.03 | 49.43 | | | |
| GST (incl GST on dealer/distributor commission) | 1.30 | 41.86 | | | |
| Retail Selling Price | 27.39 | 879.00 | | | |
| Less: Cash Compensation on LPG to consumers under | 376.60 | | | | |
| Effective cost to consumer after subsidy | 502.40 | | | | |

*Petrol and diesel at Delhi as per IOCL are as on 15th October 2018. SKO at Mumbai is as on 16th October 2018 and Sub. Dom LPG at Delhi is as on 1st October 2018.

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 \$

| | IOI DOII | Impact of change in product price by \$1per bbl / \$10per MT | | Impact of change in exchange rate by ₹ 1/\$ | |
|---|--------------|--|--|---|--|
| | Product | Per unit impact (₹/lit./cyl.) | Annualised financial impact (₹crore) | Per unit impact (₹/lit./cyl.) | Annualised financial impact (₹crore) |
| 1 | PDS SKO | 0.45 | 190 | 0.57 | 250 |
| l | Domestic LPG | 10.32 | 1380 | 8.78 | 1,180 |
| l | Total | - | 1,570 | ı | 1,430 |

Note: The above calculations are based on RTP for October 2018.

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

| Under-recoveries/su | bsidy & burden | sharing |
|---------------------|----------------|---------|
|---------------------|----------------|---------|

| PDS Kerosene | | | | | | |
|----------------------|-----------------------------|-------|-------|--|--|--|
| Product | 2016-17 2017-18 Q1, 2018-19 | | | | | |
| | Rs./Crore | | | | | |
| Under Recovery | 7,595 | 4,672 | 1,660 | | | |
| Subsidy under DBTK # | 11 | 113 | 0 | | | |
| Total | 7,605 4,785 1,660 | | | | | |
| | | | | | | |

#DBTK subsidy excludes cash incentive/assistance for establishment of institutional mechanisam for direct transfer of subsidy paid to States/UTs.

Domestic LPG under DBTL (Direct benefit transfer for LPG)

| Dautian laur | 2016-17 | 2017-18 | Q1, 2018-19 | | |
|--------------|-----------|---------|-------------|--|--|
| Particulars | Rs./Crore | | | | |
| DBTL subsidy | 12,905 | 20,880 | 5,026 | | |
| PME &IEC^ | - | 25 | 92 | | |
| Total | 12,905 | 20,905 | 5,118 | | |

PMUY (Pradhan Mantri Ujjwala Yojana) Particulars 2016-17 2017-18 Q1, 2018-19 Rs./Crore PMUY claims 2,999 2,496 1,372 PME & IEC^ 63 34 Total 2,999 2,559 1,406

^ on payment basis

| Sales & profit of petroleum sector (Ns. crores) | | | | | | | | |
|---|-----------|--------|----------|--------|--|--|--|--|
| Particulars | 2017-18 | | Q1, 20 | 018-19 | | | | |
| | Turnover | PAT | Turnover | PAT | | | | |
| Upstream/midstream Companies (PSU) | 1,48,473 | 27,231 | 47,693 | 8,106 | | | | |
| Downstream Companies (PSU) | 10,20,395 | 35,622 | 3,03,769 | 10,844 | | | | |

5.181

33.612

Salas & profit of notroloum sactor (Ps. Croros)

Borrowings of OMCs (Rs. Crores), As on

1.20.430

3,15,357

| Company | Mar`16* | Mar`17 | Mar`18 |
|---------|---------|--------|--------|
| IOCL | 54,820 | 58,030 | 44,797 |
| BPCL | 23,159 | 23,351 | 19,683 |
| HPCL | 21,250 | 20,991 | 14,842 |

^{*}Regrouped as per Ind AS

Standalone Refineries (PSU)

Private-RIL

Petroleum sector contribution to Central/State Govt.

| Particulars | 2016-17 | 2017-18 | Q1, 2018-19 |
|-----------------------------|----------|----------|-------------|
| Central Government | 3,34,534 | 3,43,862 | 66,379 |
| % of total revenue receipts | 24% | 23% | |
| State Governments | 189770 | 2,09,155 | 57,685 |
| % of total revenue receipts | 9% | 9% | |
| Total (Rs. Crores) | 5,24,304 | 5,53,017 | 1,24,064 |

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

29.456

99.318

1.008

8,820

| 24. Capital expenditure of PSU oil companies | | | | | | | | |
|--|-------------|-------------|-------------|---------|----------------|--|--|--|
| | | | | | (Rs in crores) | | | |
| Company | 2015-16 (P) | 2016-17 (P) | 2017-18 (P) | 2018-19 | | | | |
| | | | | Target | Apr-Sep (P) | | | |
| ONGC Ltd | 29,502 | 28,010 | 72,383 | 32,077 | 12,172 | | | |
| ONGC Videsh Ltd (OVL) | 6,783 | 18,360 | 6,240 | 5,886 | 2,226 | | | |
| Oil India Ltd (OIL) | 3,550 | 10,514 | 8,395 | 4,300 | 1,543 | | | |
| GAIL (India) Ltd | 1,880 | 2,180 | 3,613 | 4,722 | 2,253 | | | |
| Indian Oil Corp. Ltd. (IOCL) | 14,368 | 21,918 | 20,345 | 22,862 | 12,834 | | | |
| Hindustan Petroleum Corp. Ltd (HPCL) | 5,459 | 5,861 | 7,134 | 8,425 | 3,956 | | | |
| Bharat Petroleum Corp. Ltd (BPCL) | 10,926 | 16,810 | 8,161 | 7,400 | 4,601 | | | |
| Mangalore Refinery & Petrochem Ltd (MRPL) | 1,550 | 614 | 1,281 | 744 | 338 | | | |
| Chennai Petroleum Corp. Ltd (CPCL) | 1,318 | 1,293 | 963 | 1,010 | 485 | | | |
| Numaligarh Refinery Ltd (NRL) | 237 | 500 | 387 | 428 | 149 | | | |
| Balmer Lawrie Co. Ltd (BL) | 38 | 73 | 78 | 125 | 73 | | | |
| Engineers India Ltd (EIL) # | - | - | - | 1356 | 62 | | | |
| Total | 75,611 | 106,133 | 128,981 | 89,335 | 40,692 | | | |

⁽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 | То | | |
| 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 | | | | |