Ready Reckoner

Snapshot of India's Oil & Gas data

October, 2017



Petroleum Planning & Analysis Cell

(Ministry of Petroleum & Natural Gas)

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Highlights for the month

- Indigenous crude oil including condensate production during October 2017 was marginally lower by 0.4% than that of October 2016. PSU companies registered a growth of 0.7% during the month over October 2016. However PSC fields registered de-growth of 4.9% during the month over October 2016. On cumulative basis, there was a marginal decrease of 0.2% over April- October 2016 in indigenous crude oil including condensate production.
- Total crude oil processed during October 2017 was 22.1 MMT, which was an increase of 5.2% over October 2016 mainly due to higher crude oil processed by PSU refineries. On cumulative basis crude oil processed was higher by 1.5% over the period April- October 2016.
- Production of petroleum products during October 2017 saw a growth of 6.4% over October 2016. On cumulative basis a growth of 2.8% was recorded in production over the period April- October 2016.
- Crude oil imports increased by 4.9% during October 2017 as compared to October 2016. On cumulative basis crude
 oil imports marginally increased by 0.6% over the corresponding period of the previous year. Product imports
 increased by 3.9% during October 2017 as compared to October 2016 mainly due to increase in LPG imports for
 domestic consumption. On cumulative basis, product imports decreased by 5.9% over the corresponding period of
 the previous year.
- Export of POL products decreased by 2.7% during October 2017 as compared to October 2016 primarily due to lower surplus availability of MS. On cumulative basis, a marginal increase of 0.7% was recorded in product exports over the period April- October 2016.
- Petroleum product consumption registered a growth of 0.9% during October 2017 as compared to 7.3% growth during October 2016. Except for naphtha, SKO, HSD, LDO, FO/LSHS & bitumen all other products registered positive growth during October 2017. During the period April-October 2017-18, petroleum product consumption registered a growth of 1.6% as compared to 9.5% growth during the same period last year. Lower growth during the period April to October 2017 was mainly due to heavy rains in many states and high de-growth in consumption of SKO (-33.7%), naphtha (-12.7%), pet-coke (-5.5%), FO/LHSH (-8.6%), bitumen (-6.9) & LDO (-3.0%).

- Total LPG consumption continuously for the last fifty months in a row recorded a positive growth of 6.7% during October 2017 and a cumulative growth of 9.2% for the period April to October 2017. Out of the five regions, Northern region had the highest share in consumption of 30.9% followed by Southern region at 28.7%, Western region at 22.2%, Eastern region at 15.9% and North Eastern region at 2.3% during the period April to October 2017. Eastern region had the highest growth of 19.6% in total LPG consumption during the period April to October 2017.
- SKO registered a de-growth of 18.1 % during October 2017 and cumulative de-growth of 33.7% during the period April-October 2017-18. This was mainly because of reduced allocation to states during Q1, Q2 & Q3 of 2017-18 and voluntary surrender of PDS SKO quota by Haryana, Punjab, Dadra & Nagar Haveli, Daman & Diu, Puducherry and Andhra Pradesh.
- Gross production of natural gas for the month of October, 2017 was 2808.8 MMSCM which was higher by 2.0% compared with the corresponding month of the previous year. The cumulative gross production of natural gas of 19221.7 MMSCM for the current year till October, 2017 was higher by 4.0% compared with the corresponding period of the previous year (18478.7 MMSCM).
- LNG import for the month of October, 2017 was 2422 MMSCM which was 11.0 % higher than the corresponding month of the previous year. The cumulative import of 14777 MMSCM for the current year till October, 2017 was lower by 0.4% compared with the corresponding period of the previous year (14833 MMSCM).
- The price of Brent crude averaged \$57.36/bbl during October, 2017 as against \$56.05/bbl during September, 2017. The Indian basket crude averaged \$56.06/bbl during October, 2017 as against \$54.52/bbl during the previous month.
- The import bill of crude oil is estimated to increase by 15% from \$70 billion in 2016-17 to \$81 billion in 2017-18 considering Indian basket crude oil price of \$55/bbl and exchange rate Rs./\$ =65 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 ^(P) | | | | | |
| 1 | Population (as on 1 st May, 2011) | Billion | 1.2 | - | - | - | | | | | |
| 2 | GDP at Factor Cost (Constant prices)* | Growth % | 6.4 | 7.5 | 8.0 | 7.1 PE | | | | | |
| 3 | Agricultural Production (Food grains) | MMT | 265.0 | 252.0 | 251.6 | 275.7 4 th AE | | | | | |
| | Agricultural Froduction (Food grains) | Growth % | 3.1 | -4.9 | -0.2 | 9.6 | | | | | |
| 4 | Gross Fiscal Deficit | % | -4.5 | -4.1 | -3.9 | -3.5 (RE) | | | | | |

| | Economic indicators | | 2015-16 | 2016-17 ^(P) | Octo | ber ^(P) | April-October ^(P) | |
|---|---|------------|---------|------------------------|-------|--------------------|------------------------------|---------|
| | | | 2013-10 | 2016-17 | 2016 | 2017 | 2016-17 | 2017-18 |
| 5 | Index of Industrial Production [#] | Growth % | 3.3 | 4.6 | 5.0 | 3.8 | 5.8 | 2.5 |
| 6 | Imports | \$ Billion | 381.0 | 384.4 | 34.5 | 37.1 | 209.8 | 256.4 |
| 7 | Exports | \$ Billion | 262.3 | 275.9 | 23.4 | 23.1 | 155.3 | 170.3 |
| 8 | Trade Balance | \$ Billion | -118.7 | -108.5 | -11.1 | -14.0 | -54.5 | -86.1 |
| 9 | Foreign Exchange Reserves [@] | \$ Billion | 355.6 | 370.0 | 367.2 | 398.8 | - | - |

^{*}Revised on account of using new series of IIP and WPI with base 2011-12. *IIP is for the month of September 2017 & cumulative for Apr-Sep'17, Base year of IIP changed to 2011-12; *2015-16-as on Mar 25, 2016; 2016-17-as on Mar 31, 2017, October 2016- as on October 28, 2016, October 2017-as on October 27, 2017; AE-Advanced Estimates; RE-Revised Estimates

| | 2. Crude oil, LNG and petroleum products at a glance | | | | | | | | | |
|----|--|---------------|---------|---------|-------|----------|---------|-------------|--|--|
| | Details | Unit/ 2015-16 | | 2016-17 | Octo | ber | April-0 | October | | |
| | Details | Base | 2013-10 | 2010-17 | 2016 | 2017 (P) | 2016-17 | 2017-18 (P) | | |
| 1 | Crude oil production in India | MMT | 36.9 | 36.0 | 3.1 | 3.0 | 21.1 | 21.1 | | |
| 2 | Consumption of petroleum products | MMT | 184.7 | 194.6 | 16.6 | 16.8 | 113.8 | 115.6 | | |
| 3 | Production of petroleum products | MMT | 231.9 | 243.5 | 21.0 | 22.4 | 141.1 | 145.1 | | |
| 4 | Imports & exports: | | | | | | | | | |
| | Crude oil imports | MMT | 202.9 | 213.9 | 18.2 | 19.0 | 125.1 | 125.8 | | |
| | Crude on imports | \$ Billion | 64.0 | 70.2 | 6.1 | 7.5 | 38.3 | 45.1 | | |
| Po | troleum products (POL) imports | MMT | 29.5 | 36.3 | 3.0 | 3.1 | 22.2 | 20.9 | | |
| Pe | troleum products (FOL) imports | \$ Billion | 10.0 | 10.6 | 0.8 | 1.3 | 5.6 | 7.3 | | |
| | Gross petroleum imports | MMT | 232.3 | 250.2 | 21.1 | 22.1 | 147.3 | 146.7 | | |
| | (Crude + POL) | \$ Billion | 73.9 | 80.8 | 6.9 | 8.8 | 43.9 | 52.3 | | |
| | Petroleum products exports | MMT | 60.5 | 65.5 | 6.2 | 6.0 | 38.5 | 38.8 | | |
| | retroleum products exports | \$ Billion | 27.1 | 29.0 | 2.8 | 3.1 | 16.3 | 18.6 | | |
| | LNG imports | \$ Billion | 6.7 | 6.1 | 0.5 | 0.7 | 3.3 | 3.8 | | |
| 5 | Petroleum imports as % of India's gross imports (in value) | | 19.4 | 21.0 | 20.0 | 23.7 | 20.9 | 20.4 | | |
| 6 | 6 Petroleum exports as % of India's gross exports (in value) | | 10.3 | 10.5 | 11.8 | 13.5 | 10.5 | 10.9 | | |
| 7 | Import dependency of crude (on consumption) | % | 80.6% | 81.7% | 82.6% | 81.6% | 82.0% | 82.2% | | |

| 3. Indigenous crude oil production (Million Metric Tonne) | | | | | | | | | | | |
|---|---------|---------|------------------|-----------------------|----------|---------------------|--------------------------|-------------|--|--|--|
| | | | | October | | | April-Octobe | r | | | |
| Details | 2015-16 | 2016-17 | 2016 (Actual) | 2017 (P) (Target)* | 2017 (P) | 2016-17 (Actual) | 2017-18 (P) (Target)* | 2017-18 (P) | | | |
| ONGC | 21.1 | 20.9 | 1.8 | 2.0 | 1.8 | 12.1 | 13.4 | 12.3 | | | |
| Oil India Limited (OIL) | 3.2 | 3.3 | 0.3 | 0.3 | 0.3 | 1.9 | 2.1 | 2.0 | | | |
| Private / Joint Ventures (JVs) | 11.2 | 10.4 | 0.9 | 0.9 | 0.8 | 6.2 | 6.3 | 5.8 | | | |
| Total Crude Oil | 35.5 | 34.5 | 2.9 | 3.2 | 2.9 | 20.2 | 21.8 | 20.1 | | | |
| Condensate | 1.4 | 1.5 | 0.1 | | 0.1 | 0.9 | | 1.0 | | | |
| Total (Crude + Condensate) (MMT) | 36.9 | 36.0 | 3.1 | 3.2 | 3.0 | 21.1 | 21.8 | 21.1 | | | |
| Total (Crude + Condensate) (Million Bbl) | 270.8 | 263.9 | 22.4 | 23.4 | 22.3 | 154.8 | 159.9 | 154.4 | | | |

^{*}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 | Oct | ober | April-October | | |
|---|---------|---------|-------|----------|---------------|-------------|--|
| Details | 2015-16 | 2010-17 | 2016 | 2017 (P) | 2016-17 | 2017-18 (P) | |
| Total domestic production (MMTOE) | 69.2 | 67.9 | 5.8 | 5.8 | 39.6 | 40.3 | |
| Overseas production (MMTOE) | 10.1 | 16.2 | 1.5 | 1.6 | 7.6 | 11.1 | |
| Overseas production as % of domestic production | 14.6% | 23.9% | 26.3% | 28.2% | 19.2% | 27.6% | |

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

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

| | Details | 2015-16 | 2016-17 | Oct | ober | April-October | | |
|-----------|--|---------|---------|-------|----------|---------------|-------------|--|
| | Details | | 2010-17 | 2016 | 2017 (P) | 2016-17 | 2017-18 (P) | |
| 1 | High Sulphur crude | 166.1 | 177.4 | 15.6 | 16.7 | 103.1 | 107.2 | |
| 2 | Low Sulphur crude | 66.7 | 67.9 | 5.4 | 5.4 | 39.4 | 37.4 | |
| Total cru | ude processed | 232.9 | 245.4 | 21.0 | 22.1 | 142.5 | 144.6 | |
| Share of | HS crude in total crude oil processing | 71.3% | 72.3% | 74.4% | 75.6% | 72.4% | 74.1% | |

| 6. Quantity and value of crude oil imports | | | | | | | | | |
|--|--------|--------|----------|--|--|--|--|--|--|
| Year Quantity (MMT) \$ Million Rs. Crore | | | | | | | | | |
| 2016-17 | 213.93 | 70,196 | 4,70,159 | | | | | | |
| 2017-18 (Estimated) 213.50 80,617 5,21,641 | | | | | | | | | |

Note: April-October 2017 imports are based on actuals and for balance period, the imports are estimated at crude oil price \$55/bbl and exchange rate Rs. 65/\$.

Impact of variation in crude oil price & exchange rate on value of crude oil imports for November, 2017- March, 2018:

If crude prices changes by one \$/bbl

- Net Import bill changes by Rs. 4,203 crores (\$0.65 bn)

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

- Net Import bill changes by Rs. 3,556 crores (\$0.55 bn)

| | 7. Self-sufficiency in petroleum products (Million Metric Tonnes) | | | | | | | | | | |
|---|---|---------|---------|-------|----------|---------------|-------------|--|--|--|--|
| | Details | 2015-16 | 2016-17 | Oct | ober | April-October | | | | | |
| | Details | | 2010-17 | 2016 | 2017 (P) | 2016-17 | 2017-18 (P) | | | | |
| 1 | Indigenous crude oil processing: | 34.1 | 33.5 | 2.7 | 2.9 | 19.4 | 19.2 | | | | |
| 2 | Products from indigenous crude (93.3% of crude oil processed) | | 31.3 | 2.5 | 2.7 | 18.1 | 17.9 | | | | |
| 3 | Products from fractionators (Including LPG and Gas) | 4.0 | 4.3 | 0.4 | 0.4 | 2.4 | 2.6 | | | | |
| 4 | Total production from indigenous crude & condensate (2 + 3) | | 35.6 | 2.9 | 3.1 | 20.5 | 20.6 | | | | |
| 5 | Total domestic consumption | 184.7 | 194.6 | 16.6 | 16.8 | 113.8 | 115.6 | | | | |
| | % Self-sufficiency (4 / 5) | 19.4% | 18.3% | 17.4% | 18.4% | 18.0% | 17.8% | | | | |

| | 8. Refineri | es: Insta | lled cap | acity and | d crude (| oil proce | ssing (N | IMTPA / | MMT) | | |
|------|------------------|------------------------|----------|-----------|------------------|----------------------|----------|---------------------|-------------------------|---------------|--|
| | | Installed | | | Cru | ide oil pr | ocessing | (MMT) | | | |
| Com- | Refinery | capacity | | | | October | | | April-Octobe | April-October | |
| pany | | (1.10.2017) (MMTPA) | 2015-16 | 2016-17 | 2016 (Actual) | 2017 (P) (Target) | 2017 (P) | 2016-17 (Actual) | 2017-18 (P) (Target) | 2017-18 (P) | |
| IOCL | Barauni (1964) | 6.0 | 6.5 | 6.5 | 0.5 | 0.6 | 0.5 | 3.8 | 3.0 | 3.0 | |
| | Koyali (1965) | 13.7 | 13.8 | 14.0 | 1.1 | 1.2 | 1.2 | 8.4 | 7.5 | 7.6 | |
| | Haldia (1975) | 7.5 | 7.8 | 7.7 | 0.7 | 0.7 | 0.7 | 4.7 | 4.6 | 4.8 | |
| | Mathura (1982) | 8.0 | 8.9 | 9.2 | 0.8 | 0.8 | 0.8 | 5.4 | 4.8 | 5.1 | |
| | Panipat (1998) | 15.0 | 15.3 | 15.6 | 1.3 | 1.3 | 1.4 | 9.0 | 8.7 | 8.9 | |
| | Guwahati (1962) | 1.0 | 0.9 | 0.9 | 0.07 | 0.07 | 0.10 | 0.5 | 0.5 | 0.6 | |
| | Digboi (1901) | 0.65 | 0.6 | 0.5 | 0.05 | 0.04 | 0.06 | 0.3 | 0.3 | 0.4 | |
| | Bongaigaon(1979) | 2.4 | 2.4 | 2.5 | 0.2 | 0.2 | 0.2 | 1.4 | 1.3 | 1.4 | |
| | Paradip (2016) | 15.0 | 1.8 | 8.2 | 0.8 | 1.3 | 1.1 | 3.6 | 6.7 | 8.0 | |
| | IOCL TOTAL | 69.2 | 58.0 | 65.2 | 5.5 | 6.2 | 6.1 | 37.3 | 37.5 | 39.7 | |
| CPCL | Manali (1969) | 10.5 | 9.1 | 9.8 | 0.9 | 0.9 | 0.9 | 6.2 | 5.4 | 5.9 | |
| | CBR (1993) | 1.0 | 0.5 | 0.5 | 0.05 | 0.04 | 0.04 | 0.3 | 0.3 | 0.3 | |
| | CPCL-TOTAL | 11.5 | 9.6 | 10.3 | 1.0 | 0.9 | 1.0 | 6.6 | 5.7 | 6.2 | |
| BPCL | Mumbai (1955) | 12.0 | 13.4 | 13.5 | 1.2 | 1.1 | 1.0 | 8.3 | 7.4 | 7.7 | |
| | Kochi (1966) | 15.5 | 10.7 | 11.8 | 1.0 | 1.3 | 1.2 | 6.5 | 7.6 | 7.7 | |
| BORL | Bina (2011) | 6.0 | 6.4 | 6.4 | 0.6 | 0.5 | 0.6 | 3.9 | 3.4 | 4.2 | |
| NRL | Numaligarh (1999 | 3.0 | 2.5 | 2.7 | 0.2 | 0.2 | 0.2 | 1.4 | 1.6 | 1.7 | |
| | BPCL-TOTAL | 36.5 | 33.0 | 34.4 | 3.0 | 3.1 | 3.0 | 20.1 | 19.9 | 21.3 | |

| | | Installed | | | Cru | de oil pro | ocessing | (MMT) | | |
|-----------------------------|-----------------------|------------------------|---------|---------|------------------|----------------------|----------|---------------------|-------------------------|-------------|
| Com- | Refinery | capacity | | October | | | | October | | |
| pany | Refillery | (1.10.2017) (MMTPA) | 2015-16 | 2016-17 | 2016 (Actual) | 2017 (P) (Target) | 2017 (P) | 2016-17 (Actual) | 2017-18 (P) (Target) | 2017-18 (P) |
| ONGC | Tatipaka (2001) | 0.1 | 0.07 | 0.09 | 0.007 | 0.005 | 0.007 | 0.05 | 0.03 | 0.05 |
| MRPL | Mangalore (1996) | 15.0 | 15.5 | 16.0 | 1.4 | 1.5 | 1.5 | 9.1 | 8.9 | 9.0 |
| | ONGC TOTAL | 15.1 | 15.6 | 16.1 | 1.4 | 1.5 | 1.5 | 9.1 | 9.0 | 9.1 |
| HPCL | Mumbai (1954) | 7.5 | 8.0 | 8.5 | 0.7 | 0.7 | 0.7 | 4.8 | 5.0 | 5.0 |
| | Visakh (1957) | 8.3 | 9.2 | 9.3 | 0.8 | 0.8 | 0.9 | 5.2 | 5.5 | 5.7 |
| HMEL | Bathinda (2012) | 9.0 | 10.7 | 10.5 | 0.8 | 0.9 | 1.0 | 6.3 | 4.6 | 3.9 |
| | HPCL- TOTAL | 24.8 | 27.9 | 28.3 | 2.3 | 2.5 | 2.6 | 16.3 | 15.1 | 14.6 |
| RIL* | Jamnagar (DTA) (1999) | 33.0 | 32.4 | 32.8 | 2.8 | 2.8 | 2.9 | 19.3 | 19.3 | 19.3 |
| | Jamnagar (SEZ) (2008) | 35.2 | 37.1 | 37.4 | 3.2 | 3.2 | 3.3 | 21.5 | 21.5 | 22.3 |
| EOL | Vadinar (2006) | 20.0 | 19.1 | 20.9 | 1.8 | 1.7 | 1.7 | 12.3 | 11.8 | 12.1 |
| All India 245.3 232.9 245.4 | | | | | 21.0 | 21.8 | 22.1 | 142.5 | 139.9 | 144.6 |

^{*} RIL target for 2017-18 is previous year crude processing. **Note:** Some sub-totals/ totals may not add up due to rounding off at individual levels.

9. Major crude oil and product pipeline network

| | 3. Major crade on and product pipeline network | | | | | | | | | | |
|---|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | | ONGC | OIL | Cairn | HMEL | IOCL | BPCL | HPCL | Other | Total | |
| Crude Oil | Length (KM) | 1,191 | 1,193 | 660 | 1,017 | 5,301 | 937 | - | 1 | 10,299 | |
| (as on 1.11.2017) | Cap (MMTPA) | 58.5 | 8.4 | 8.7 | 9.0 | 48.6 | 6.0 | - | • | 139.2 | |
| Products | Length (KM) | - | 654 | - | - | 7,950 | 1,936 | 3,354 | 2,688 | 16,582 | |
| (as on 1.11.2017) | Cap (MMTPA) | - | 1.7 | - | - | 46.2 | 14.9 | 36.1 | 9.3 | 108.2 | |
| Other includes GAIL and Petronet India. | | | | | | | | | | | |

| | 10. Gross Ref | ining Margins (G | iRM) of refineri | es (\$/bbl) | |
|---------|------------------|------------------|------------------|-------------|--------------|
| Company | Refinery | 2014-15 | 2015-16 | 2016-17 | Apr-Sep'2017 |
| | Barauni | -1.20 | 2.93 | 6.52 | 2.50 |
| | Koyali | 4.79 | 6.80 | 7.55 | 7.74 |
| | Haldia | -1.51 | 3.96 | 6.80 | 3.97 |
| | Mathura | -2.19 | 3.30 | 7.01 | 4.34 |
| IOCL | Panipat | -1.97 | 4.15 | 7.95 | 4.86 |
| | Guwahati ** | 8.68 | 15.88 | 22.14 | 20.97 |
| | Digboi ** | 13.73 | 16.17 | 24.49 | 23.39 |
| | Bongaigaon ** | -0.26 | 11.09 | 20.15 | 16.50 |
| | Paradip | - | -0.65 | 4.22 | 5.80 |
| | Weighted average | 0.27 | 5.06 | 7.77 | 6.08 |
| | Kochi | 3.17 | 6.87 | 5.16 | 5.69 |
| BPCL | Mumbai | 3.97 | 6.37 | 5.36 | 7.25 |
| | Weighted average | 3.62 | 6.59 | 5.26 | 6.48 |
| | Mumbai | 4.88 | 8.09 | 6.95 | 7.89 |
| HPCL | Visakhapatnam | 1.12 | 5.46 | 5.51 | 5.75 |
| | Weighted average | 2.84 | 6.68 | 6.20 | 6.75 |
| CPCL | Chennai | 1.97 | 5.27 | 6.05 | 5.67 |
| MRPL | Mangalore | -0.64 | 5.20 | 7.75 | 6.30 |
| NRL | Numaligarh ** | 16.67 | 23.68 | 28.56 | 29.13 |
| BORL | Bina | 6.10 | 11.70 | 11.80 | 10.60 |
| RIL | Jamnagar | 8.60 | 10.80 | 11.00 | 11.90 |
| Essar | Vadinar | 8.37 | 10.81 | 9.14 | * |

^{*}Being unlisted company, quarterty results not declared.

** GRM of North Eastern refineries are including excise duty benefit.

| | 11. GRM of North-East refineries excluding excise duty benefit (\$/bbl) | | | | | | | | | | |
|---|---|-------|------|------|------|--|--|--|--|--|--|
| Company Refinery 2014-15 2015-16 2016-17 Apr-Separation | | | | | | | | | | | |
| | Guwahati | 0.96 | 1.26 | 1.12 | 2.82 | | | | | | |
| IOCL | Digboi | 5.42 | 4.16 | 7.73 | 5.61 | | | | | | |
| | Bongaigaon | -6.51 | 0.08 | 6.03 | 2.34 | | | | | | |
| NRL | Numaligarh | 9.46 | 8.06 | 8.50 | 8.54 | | | | | | |

| 12. | 12. Production and consumption of petroleum products (Million Metric Tonnes) | | | | | | | | | | |
|------------------------------------|--|--------------------------|-------------------|----------------------|-------------------|-----------------------|-------------------|----------------------|-------------------|-------------------------|--|
| Products | April 2016- | March 2017 | Octob | er 2016 | Octobe | r 2017 ^(P) | April-Oct | tober 2016 | April-Octo | ber 2017 ^(P) | |
| Products | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | Prod ⁿ | Consump ⁿ | |
| LPG | 11.3 | 21.6 | 1.0 | 1.9 | 1.1 | 2.0 | 6.3 | 12.1 | 6.9 | 13.2 | |
| MS | 36.6 | 23.8 | 3.2 | 2.1 | 3.2 | 2.2 | 21.2 | 14.0 | 21.7 | 15.2 | |
| NAPHTHA | 19.7 | 13.2 | 1.8 | 1.2 | 1.8 | 1.1 | 11.4 | 8.0 | 11.7 | 7.0 | |
| ATF | 13.8 | 7.0 | 1.2 | 0.6 | 1.2 | 0.6 | 7.9 | 3.9 | 8.1 | 4.3 | |
| SKO | 6.0 | 5.4 | 0.5 | 0.4 | 0.4 | 0.3 | 3.8 | 3.5 | 2.7 | 2.3 | |
| HSD | 102.1 | 76.0 | 8.7 | 6.7 | 9.4 | 6.5 | 59.0 | 43.9 | 61.7 | 46.1 | |
| LDO | 0.6 | 0.4 | 0.05 | 0.04 | 0.04 | 0.03 | 0.3 | 0.3 | 0.3 | 0.3 | |
| LUBES | 1.0 | 3.5 | 0.10 | 0.3 | 0.09 | 0.3 | 0.6 | 2.0 | 0.6 | 2.0 | |
| FO/LSHS | 12.0 | 7.2 | 1.0 | 0.6 | 1.0 | 0.6 | 7.1 | 4.3 | 6.5 | 4.0 | |
| BITUMEN | 5.2 | 5.9 | 0.4 | 0.5 | 0.3 | 0.4 | 2.8 | 3.0 | 2.6 | 2.8 | |
| PET COKE | 12.9 | 24.0 | 1.1 | 1.9 | 1.2 | 2.0 | 7.4 | 14.9 | 8.0 | 14.0 | |
| OTHERS | 22.3 | 6.6 | 1.9 | 0.6 | 2.4 | 0.6 | 13.4 | 3.9 | 14.4 | 4.3 | |
| ALL INDIA | 243.5 | 194.6 | 21.0 | 16.6 | 22.4 | 16.8 | 141.1 | 113.8 | 145.1 | 115.6 | |
| Growth (%) | 5.0% | 5.4% | 13.8% | 7.3% | 6.4% | 0.9% | 8.2% | 9.5% | 2.8% | 1.6% | |
| Note: Prod ⁿ - P | roduction; C | Consump ⁿ - C | onsumptio | n | | | | | | | |

| | | 13. | LPG cons | sumption | (Thousai | nd Metri | c Tonne | | | |
|---|----------------------------------|-----------------|------------|------------|------------|-----------------|------------|------------|-----------------|------------|
| LPG catego | rv | | 2015-16 | 2016-17 | | October | | | April-Octobe | |
| | • | | 2013 10 | 2010 17 | 2016 | 2017 (P) | Gr (%) | 2016-17 | 2017-18 (P) | Gr (%) |
| 1. PSU Sal | | | 1 | , | | | | | | |
| | Packed Dome | | 17,181.7 | | | 1,725.3 | | 10,562.1 | 11,518.4 | 9.1 |
| | Packed Non-D | Domestic | 1,464.4 | <u> </u> | 157.0 | 181.2 | 15.4 | 987.7 | 1,156.7 | 17.1 |
| | Bulk | | 317.2 | | 30.9 | 28.8 | | 208.7 | 210.2 | 0.7 |
| | LPG | | 170.9 | | 14.2 | 15.4 | 8.7 | 96.2 | 108.6 | 12.9 |
| | Total (PSU Sa | | 19134.2 | | | 1950.8 | 7.1 | 11854.7 | 12993.9 | |
| | Private Import | ts | 489.0 | | 37.0 | 32.4 | -12.3 | 260.4 | 240.5 | -7.7 |
| Total (1+2 | .) | 11 | 19,623.2 | | | | | 12,115.1 | 13,234.3 | 9.2 |
| | | | Kerosene | | | | | | | |
| Product | 2014 | | | 5-16 | | 6-17 | | 016-17 | H1, 2017 | |
| | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment | Allocation | Upliftment |
| Kerosene | 89,75,538 | 88,78,352 | 86,85,384 | 85,36,752 | 69,33,030 | 66,78,447 | 39,75,216 | 38,30,874 | 26,22,056 | 24,12,360 |
| | 15. I | ndustry m | arketing i | infrastruc | ture (as | on 01.11 | .2017) (| Provision | ial) | |
| Particulars | | | IOCL | BPCL | HPCL | RIL | ESSAR | SHELL | Others | Total |
| POL Termir | al/ Depots (No | s.) | 129 | 77 | 81 | 18 | 2 | | 6* | 313 |
| Aviation Fu | el Stations (Nos | s.) | 105 | 50 | 38 | 28 | | | 1 [@] | 222 |
| Retail Outle | ets (total) (Nos.) |) | 26,489 | 14,161 | 14,675 | 1,400 | 3,980 | 90 | 4^ | 60,799 |
| out of whic | h, Rural ROs | | 7,232 | 2,548 | 3,159 | 127 | 1,377 | 11 | | 14,454 |
| SKO/LDO a | gencies (Nos.) | | 3,899 | 1,001 | 1,638 | | | | | 6,538 |
| LPG Distribu | itors (total) (Nos | s.) (PSUs only) | 9,834 | 4,816 | 4,645 | | | | | 19,295 |
| out of whic | h, Durgam Kshe | etriya Vitrak | 1,601 | 867 | 882 | | | | | 3,350 |
| LPG Bottlin | g plants (Nos.) (| (PSUs only) | 91 | 50 | 47 | | | | 1# | 189 |
| LPG Bottling capacity (TMTPA) (PSUs only) | | A) (PSUs only) | 9,025 | 3,693 | 3,762 | | | | 24 [~] | 16,504 |
| (Nos. crore | red domestic co) (PSUs only) | | 12.21 | 6.43 | 6.64 | | | | | 25.28 |
| | domestic consu) (PSUs only) | mers | 10.13 | 5.58 | 5.87 | | | | | 21.57 |

^{\$}RIL= 5 Terminals and 13 Mini Depots; *4 MRPL & 2 NRL; @ShellMRPL -1, ^MRPL-4 #NRL-1; ~NRL-24

| | | 16. I | Natural g | as at a g | lance | | | | |
|-----|--|---------|-----------|------------------|----------------------|----------|---------------------|-------------------------|---------------|
| | | | | | October | | | April-Octob | (MMSCM) er |
| | Details | 2015-16 | 2016-17 | 2016 (Actual) | 2017 (P) (Target) | 2017 (P) | 2016-17 (Actual) | 2017-18 (P) (Target) | 2017-18 (P) |
| (a) | Gross production | 32,249 | 31,897 | 2,755 | 2,934 | 2,809 | 18,479 | 20,086 | 19,222 |
| | - ONGC | 21,177 | 22,088 | 1,943 | 2,009 | 2,018 | 12,627 | 13,693 | 13,693 |
| | - Oil India Limited (OIL) | 2,838 | 2,937 | 246 | 252 | 243 | 1,720 | 1,756 | 1,725 |
| | - Private / Joint Ventures (JVs) | 8,235 | 6,872 | 566 | 673 | 548 | 4,132 | 4,637 | 3,804 |
| (b) | Net availability (excluding flare gas and loss) | 31,129 | 30,848 | 2,671 | | 2,738 | 17,861 | | 18,692 |
| (c) | LNG import | 21,388 | 24,686 | 2,181 | | 2,422 | 14,833 | 1 | 14,777 |
| (d) | Total consumption including internal consumption (Net availability+Import) (b+c) | 52,517 | 55,534 | 4,852 | | 5,160 | 32,694 | | 33,469 |
| (e) | Total consumption (in BCM) | 52.5 | 55.5 | 4.9 | | 5.2 | 32.7 | | 33.5 |
| (f) | Import dependency based on consumption (%), {c/d*100} | 40.7 | 44.5 | 44.9 | | 46.9 | 45.4 | | 44.2 |

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 | | 17,200 | Sq. KM | | | | | | |
| Blocks awarded | | 33 | Nos. | | | | | | |
| Production of CBM gas | October, 2017 ^(P) | 68.03 | MMSCM | | | | | | |
| Production of CBM gas-Cumulative | April-October 2017 (P) | 401.44 | MMSCM | | | | | | |

| 18. Gas pipel | ines under execution / co | nstruction | as on 01.10 | .2017 |
|--|---------------------------------|------------------------------|-------------------------|-------------------------|
| Network/ Region | Entity | Length sanctioned (KM) | Design cap. (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" |
| Surat - Paradip | GAIL (India) Ltd | 2,112 | 74.81 | 36"/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 | | 13,489 | | |

| | 19. Existing LNG terminals | | | | | | | | | |
|----------|----------------------------|---|--|--|--|--|--|--|--|--|
| Location | Promoters | Capacity (MMTPA) as on 01.10.2017 | Capacity utilisation in % (April-September 2017) | | | | | | | |
| Dahej | Petronet LNG Ltd (PLL) | 15 MMTPA | 101.72 | | | | | | | |
| Hazira | Hazira LNG Pvt Ltd (HLPL) | 5 MMTPA | 56.54 | | | | | | | |
| Dabhol | RGPPL (GAIL - NTPC JV) | 1.692 MMTPA in phase-1 without break water-to be increased to 5 MMTPA | 13.82 | | | | | | | |
| Kochi | Petronet LNG Ltd (PLL) | 5 MMTPA | 13.81 | | | | | | | |
| | Total Capacity | 26.692 MMTPA | | | | | | | | |

| | | | CNG PNG connections | | | | |
|----------------|---|---|---------------------|------------------|------------------|------------------|-----------------|
| | Entity operating | | CNG | PN | ons | No. of CNG | |
| State | | Geographical region | stations | Domestic | Industrial | Commercial | vehicles |
| | | | As on 01.10.2017 | As on 01.10.2017 | As on 01.10.2017 | As on 01.10.2017 | As on 01.10.201 |
| Haryana | Haryana City Gas, Adani Gas Limited, GAIL Gas Ltd. | Sonepat, Faridabad, Gurgaon | 37 | 66,363 | 273 | 197 | 1,25,227 |
| Andhra Pradesh | Bhagyanagar Gas Ltd | Kakinada, Vijayawada | 18 | 5,968 | 1 | 41 | 16,233 |
| Telangana | Bhagyanagar Gas Ltd | Hyderabad | 29 | 4,380 | 5 | 6 | 23,950 |
| Assam | Assam Gas Co. Ltd | Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat | 0 | 30,804 | 404 | 1,036 | 0 |
| Gujarat | Gujarat Gas Ltd, Adani Energy Ltd, Vadodara Gas Ltd, Hindustan Petroleum Corporation Ltd, Charotar Gas Sahakari Mandal Ltd | Gandhinagar, Mehsana, Sabarkantha, Nadiad, Halol, Hazira, Rajkot, Khambhat, Karjan-Palej, Valsad, Navsari, Surendernagar, Vadodara, Ahmedabad, Surat, Ankleshwar, Bharuch & surrounding areas, Bhavnagar, Jamnagar, Vapi, Anand | 403 | 17,45,731 | 4,417 | 17,439 | 8,72,370 |
| Madhya Pradesh | Aavantika Gas Ltd, GAIL Gas Ltd | Dewas, Vijaipur, Indore including Ujjain, Gwalior, Pithampura | 26 | 19,193 | 110 | 82 | 26,319 |
| Rajasthan | GAIL Gas Ltd | Kota | 3 | 235 | 15 | 2 | 6,421 |

| 20 |). Status of PNG | connections, CNG stat | ions and (| CNG vehic | es across | India (Nos | .) |
|---------------|--|---|------------------|------------------|------------------|------------------|------------------|
| | | | CNG | PN | IG connection | ns | No. of CNG |
| State | Entity operating | Geographical region | stations | Domestic | Industrial | Commercial | vehicles |
| | | | As on 01.10.2017 |
| Maharashtra | Maharashtra Natural | Mumbai, Greater Mumbai, Thane & adjoining contiguous areas including Mira Bhayender, Navi Mumbai, Thane City, Ambernath, Bhiwandi, Kalyan, Dombivily, Badlapur, Ulhasnagar, Panvel, Kharghar & Taloja, Pune City including Pimpri-Chinchwad and adjoining contiguous areas of Chakan, Hinjewadi, Talegaon GA & Thane Rural. | 253 | 10,89,574 | 205 | 3,578 | 7,40,058 |
| Tripura | Tripura Natural Gas Co. Ltd | Agartala | 6 | 30,961 | 50 | 399 | 10,110 |
| West Bengal | Great Eastern Energy Corporation Ltd | Kolkata | 7 | 0 | 0 | 0 | 3,274 |
| Uttar Pradesh | GAIL Gas Ltd, Sanwariya Gas, Green Gas, Central U.P. Gas, Siti Energy Ltd | Vannur Vhuria Lucknow | | 65,593 | 509 | 317 | 1,24,242 |

| 20. 9 | tatus of PNG connect | ions, CNG stati | ons and | CNG vehic | les across | India (Nos | s.) |
|-------------------------|----------------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Geographical | CNG | PN | IG connection | ns | No. of CNG |
| State | Entity operating | | stations | Domestic | Industrial | Commercial | vehicles |
| | | region | As on 01.10.2017 |
| New Delhi | Indraprastha Gas Ltd | NCT of Delhi (Including Noida & Ghaziabad) | 423 | 8,02,939 | 1,071 | 2,043 | 9,87,817 |
| Karnataka | Gail Gas Ltd. | Bengaluru | 3 | 3,744 | 12 | 26 | 224 |
| Chandigarh | IndianOil- Adani Gas | Chandigarh | 2 | 4,346 | 0 | 0 | 1,500 |
| Kerala | IndianOil- Adani Gas | Ernakulam | 0 | 691 | 0 | 3 | 0 |
| Daman and Diu | IndianOil- Adani Gas | Daman and Diu | 1 | 68 | 1 | 3 | 250 |
| Dadra & Nagar Haveli | Gujarat Gas Ltd. | Dadra & Nagar Haveli | 0 | 169 | 6 | 8 | 0 |
| Total | | | 1,273 | 38,70,759 | 7,079 | 25,180 | 29,37,995 |

| | 21. Major natural gas pipeline network | | | | | | | | | |
|--------------------|--|--------|----------|-------|-----|------|------|--------|--|--|
| Nature o | of pipeline | GAIL | Reliance | GSPL | ARN | IOCL | ONGC | Total | | |
| Natural gas | Length (KM) | 11,092 | 1,784 | 2,613 | 817 | 140 | 24 | 16,470 | | |
| (as on 01.10.2017) | Cap (MMSCMD) | 242* | 83.5 | 43.0 | 3.2 | 9.5 | 6.0 | 387.3 | | |

^{*}GAIL's pipeline cap. 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 | | | | | | | |
|--|--|---|--|--|--|--|--|
| Period | Domestic Natural Gas price in US\$/MMBTU (GCV basis) | Gas price ceiling in US\$/MMBTU (GCV basis) | | | | | |
| 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 | | | | | |

| International FOB prices/ Exchange rates (\$/bbl) | | | | | | |
|---|---------------------------|-----------------------------------|-------------|--|--|--|
| Particulars | 2015-16 | 2016-17 | Apr-Oct' 17 | | | |
| Crude oil (Indian Basket) | 46.18 | 47.56 | 51.20 | | | |
| Petrol | 61.72 | 58.10 | 63.19 | | | |
| Diesel | 55.02 | 56.59 | 62.69 | | | |
| Kerosene | 55.71 | 56.81 | 61.46 | | | |
| LPG (\$/MT) | 394.71 | 393.31 | 444.09 | | | |
| FO (\$/MT) | 235.13 | 258.92 | 302.84 | | | |
| Naphtha (\$/MT) | 420.14 | 415.17 | 445.97 | | | |
| Exchange (Rs./\$) | 65.46 | 67.09 | 64.47 | | | |
| Customs 8 | & excise duty ra | tes (w.e.f. 04.10 | 0.2017) | | | |
| Product | Basic customs duty # | Excise duty | GST rates | | | |
| Petrol | 2.50% | Rs 19.48/Ltr | ** | | | |
| Diesel | 2.50% | Rs 15.33/Ltr | ** | | | |
| PDS SKO | Nil | Nil | 5.00% | | | |
| Non-PDS SKO | 5.00% | Nil | 18.00% | | | |
| Sub. Dom LPG | Nil | Nil | 5.00% | | | |
| Non Domestic LPG | 5.00% | Nil | 18.00% | | | |
| Furnace Oil (Non-Fert) | 5.00% | Nil | 18.00% | | | |
| Naphtha (Non-Fert) | 5.00% | Nil | 18.00% | | | |
| ATF | Nil | 14% * | ** | | | |
| Crude Oil | Nil+Rs.50/ -MT as NCCD | Nil+ Cess@ 20%+Rs.50 /-MT NCCD | ** | | | |

^{**} Crude oil, Petrol, Diesel, ATF and Natural Gas are outside GST levy. # 2 % Edu. Cess and 1 % Seconday & Higher Edu. Cess is levied on Customs duty.

| Taxes and Under-recoveries/Subsidies | | | | | | | | | |
|---|--|---------------|--|--|--|--|--|--|--|
| Price buildup of petroleum produc | Price buildup of petroleum products (Rs./litre/Cylinder) | | | | | | | | |
| Particulars | Petrol* | Diesel* | | | | | | | |
| Price before taxes and dealer commission | 31.16 | 31.23 | | | | | | | |
| Central taxes | 20.10 | 15.94 | | | | | | | |
| State taxes | 14.81 | 8.62 | | | | | | | |
| Dealer commission | 3.58 | 2.52 | | | | | | | |
| Retail selling price (RSP) | 69.65 | 58.31 | | | | | | | |
| Particulars | PDS SKO* | Sub. Dom LPG* | | | | | | | |
| Price before taxes and dealer/distributor commission | 19.05 | 657.86 | | | | | | | |
| GST (incl GST on dealer/distributor comm.) | 1.04 | 35.36 | | | | | | | |
| Dealer/distributor commission | 1.80 | 49.25 | | | | | | | |
| Retail Selling Price | 21.89 | 742.00 | | | | | | | |
| Less: Cash compensation by Govt . under DBTL scheme | 222.68 | | | | | | | | |
| Less: Cash compensation by OMCs towards "uncompensation | Less: Cash compensation by OMCs towards "uncompensated cost" | | | | | | | | |
| Effective cost to consumer after subsidy | 495.69 | | | | | | | | |

^{*} SKO at Mumbai, petrol and diesel at Delhi are as on 16^{th} November, 2017 . Sub. Dom LPG at Delhi is as on 1^{st} November, 2017.RSP of Subsidized Dom LPG rounded.

Impact of change in product price \$1 per bbl for PDS SKO and \$10/MT for Domestic LPG & change in exchange rate by ₹1 per \$

| | , , , | e in product price & \$10/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) | | |
| PDS kerosene | 0.41 | 210 | 0.43 | 220 | | |
| Domestic LPG | 9.35 | 1150 | 8.10 | 990 | | |
| Total | | 1360 | | 1210 | | |

Note: The above calculations are based on RTP for November 2017

| 23. Information on Prices, Taxes and Under-recoveries/Subsidies | | | | | | | | | |
|---|---|---------------|--------------|---|------------------------------------|---------|------------------|--------------|--------------|
| Under-recover | Sales & profit of petroleum sector (Rs. Crores) | | | | | | | | |
| Product | 2015-16 | 2016-17 | Apr-Sep'2017 | Aŗ | pr-Sep'2017 | | Turnover | | PAT |
| Per unit under-red | covery/subs | idy (Rs./litr | e/Cylinder) | 1 ' ' | Upstream/midstream Companies (PSU) | | | 66,279 | |
| Diesel | | De-regulated | | Downstrea | m Companies | (PSU) | 4,78 | 4,78,222 | |
| PDS SKO | 13.47 | 11.39 | 8.79 | Standalone | e Refineries (PS | U) | 45, | 374 | 1,899 |
| Sub. Dom LPG | 150.82* | 108.78 | 128.86 | Private-RIL | | | 1,42 | ,195 | 16,461 |
| Total under-recover | ies including | DBTL Subsidy | (Rs. Crores) | | Borrowin | gs of | OMCs (R | s. Crores | |
| Diesel | | De-regulated | | Company | As on Mar`16 | As | on Mar`17 | As or | n Sep`17 |
| PDS SKO | 11,496 | 7,595 | 2,066 | IOCL | 52,469 | ! | 54,820 38 | | 3,805 |
| Sub. Dom LPG | # 16074 | 12,133 | 7,502 | BPCL 15,976 23,159 18,191 | | | | | 3,191 |
| Total | 27,570 | 19,728 | 9,568 | 9,568 HPCL 21,337 21,250 14,188 | | | | | 1,188 |
| Burde | n sharing (F | Rs. Crores) | | Petroleu | ım sector co | ontril | oution to | Central/S | tate Govt. |
| Particulars | 2015-16 | 2016-17 | Apr-Sep 2017 | F | Particulars | | 2015-16 | 2016-17 | Apr-Jun'2017 |
| Government | 26,301 | 19,728 | 9568** | Central G | overnment | | 2,58,443 | 3,34,534 | 63,458 |
| Upstream | 1,251 | 0 | 0 | % to total | revenue rece | eipt | 21% | 24% | - |
| OMCs | 18 | 0 | 0 | State Gov | ernments | | 1,60,209 | 1,89,770 | 51,050 |
| | | | | % to total | revenue rece | eipt | 8% | 8% | - |
| *Average of DBTL subsid | • | • | | Total (Rs. | | | 4,18,652 | 5,24,304 | 1,14,508 |
| · · · · · · · · · · · · · · · · · · · | domestic LPG; #Includes under recovery towards non-DBTL domestic LPG (2015-16: Rs.18 Cr). ** Pending sanction for 2017-18 (H1) -Sub.Dom LPG Rs.1,170 Cr; | | | Subsidy as a % of GDP (at current prices) | | | | ces) | |
| , , | | | | Particulars 2 | | 014-15 | 2015-16 | 2016-17 | |
| PDS-SKO Rs 786 Cr. | 2017 10 (111) -0 | AUDOM ET O | | | | | 0.18 | | |
| | | | | Note - GDP fig | gure for 2014-15 ar | nd 2015 | -16 at RE and 20 | 016-17 at PE | |

24. Capital expenditure of PSU oil companies

(Rs in crores)

| | | | | | | (|
|---|----------|---------|------------------------|------------------------|---------|-------------|
| | 2013-14 | 2014-15 | 2015-16 ^(P) | 2016-17 ^(P) | 2017-18 | |
| Company | | | | | Target* | Actual |
| | | | | | | (Apr-Oct) # |
| ONGC Ltd | 32,470 | 29,997 | 29,502 | 28,010 | 29,968 | 22,173 |
| ONGC Videsh Ltd (OVL) | 35,357 | 7,172 | 6,783 | 18,360 | 7,088 | 3,226 |
| Oil India Ltd (OIL) | 9,351 | 3,774 | 3,550 | 10,514 | 9,252 | 6,586 |
| GAIL (India) Ltd ** | 4,070 | 1,632 | 1,880 | 2,180 | 2,053 | 1,497 |
| Indian Oil Corp. Ltd. (IOCL) | 16,661 | 14,314 | 14,368 | 21,918 | 20,162 | 9,596 |
| Hindustan Petroleum Corp. Ltd (HPCL) | 2,642 | 2,670 | 5,459 | 5,861 | 7,110 | 2,690 |
| Bharat Petroleum Corp. Ltd (BPCL) | 4,374 | 6,875 | 10,926 | 16,810 | 7,101 | 3,404 |
| Mangalore Refinery & Petrochem Ltd (MRPL) | 1,449 | 2,747 | 1,550 | 614 | 1,138 | 358 |
| Chennai Petroleum Corp. Ltd (CPCL) | 229 | 466 | 1,318 | 1,293 | 845 | 491 |
| Numaligarh Refinery Ltd (NRL) | 372 | 103 | 237 | 500 | 1,261 | 176 |
| Balmer Lawrie Co. Ltd (BL) | 120 | 80 | 38 | 73 | 50 | 62 |
| TOTAL | 1,07,095 | 69,830 | 75,611 | 106,133 | 86,028 | 50,259 |

st Targets are for full financial year 2017-18 (both Plan and Non-Plan).

^{**} Excludes Rs 1200 crores Gross Budgetary Support for Phulpur-Dhamra-Haldia pipeline project.

[#] Provisional and includes expenditure on investment in JV/subsidiaries.

| 25. Conversion factors and volume conversion | | | | | | |
|--|-----------------------------|----------------|-----------------|---|-------------------------|--|
| Weight to v | Weight to volume conversion | | | | | |
| Product | Weight (MT) | Volume (KL) | Barrel (bbl) | | From | |
| LPG | 1 | 1.844 | 11.60 |] | 1 US Barrel (bbl) | |
| Petrol (MS) | 1 | 1.411 | 8.50 | | 1 US Barrel (bbl) | |
| Diesel (HSD) | 1 | 1.210 | 7.45 | | 1 US Gallon | |
| Kerosene (SKO) | 1 | 1.285 | 7.90 | | 1 Kilo litre (KL) | |
| ATF | 1 | 1.288 | 8.10 | 1 | 1 Million barrels per d | |
| Light Diesel Oil (LDO) | 1 | 1.172 | 7.37 | 1 | Energy | |
| Furnace Oil (FO) | 1 | 1.071 | 6.74 | | 1 Kilocalorie (kcal) | |
| Crude Oil | 1 | 1.170 | 7.33 | | 1 Kilocalorie (kcal) | |
| Exclusive Economic Zone | | | | | 1 Kilowatt-hour (kWh) | |
| 200 Nautical Miles | 370 | .4 Kilome | ters |] | 1 Kilowatt-hour (kWh) | |

| Volume conversion | | | | | | |
|---------------------------|---------------|--|--|--|--|--|
| From | То | | | | | |
| 1 US Barrel (bbl) | 159 litres | | | | | |
| 1 US Barrel (bbl) | 42 US Gallons | | | | | |
| 1 US Gallon | 3.78 litres | | | | | |
| 1 Kilo litre (KL) | 6.29 bbl | | | | | |
| 1 Million barrels per day | 49.8 MMTPA | | | | | |
| Energy con | version | | | | | |
| 1 Kilocalorie (kcal) | 4.187 kJ | | | | | |
| 1 Kilocalorie (kcal) | 3.968 Btu | | | | | |
| 1 Kilowatt-hour (kWh) | 860 kcal | | | | | |
| 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 | | | | |