

Government of India
Ministry of Petroleum and Natural Gas
Economic & Statistics Division

New Delhi
 Dated the 20th October, 2017

Monthly Production Report
September, 2017

Crude Oil

1. Crude oil production¹ during September, 2017 was 2920.14 TMT which is 5.13% lower than target and 0.09% higher when compared with September 2016. Cumulative crude oil production during April-September, 2017 was 18024.74 TMT which is 3.44% lower than target for the period and 0.22% lower than production during corresponding period of last year. Unit-wise and State-wise crude oil production is given at Annexure-I. Unit-wise crude oil production for the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis same period of last year has been shown in Table-1 and month-wise in Figure-1.

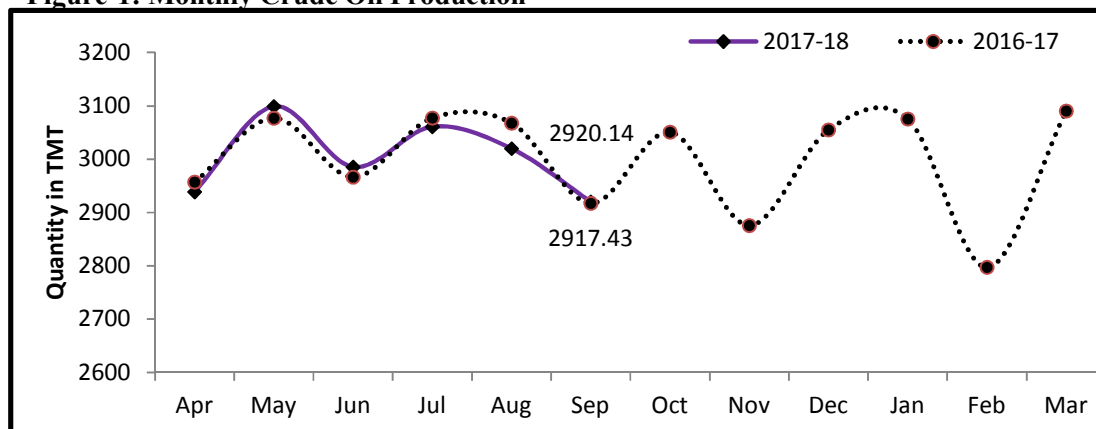
Table-1: Crude Oil Production (in TMT)

| Oil Company | Target | September (Month) | | | | April-September (Cumulative) | | | |
|--------------|-------------------|-------------------|----------------|----------------|------------------|------------------------------|-----------------|-----------------|------------------|
| | 2017-18 (Apr-Mar) | 2017-18 | | 2016-17 | % over last year | 2017-18 | | 2016-17 | % over last year |
| | | Target | Prod.* | Prod. | | Target | Prod.* | Prod. | |
| ONGC | 23071.00 | 1897.10 | 1844.25 | 1803.68 | 102.25 | 11466.18 | 11301.99 | 11028.90 | 102.48 |
| OIL | 3734.00 | 307.13 | 276.79 | 261.84 | 105.71 | 1872.00 | 1693.60 | 1604.78 | 105.53 |
| PSC Fields | 10562.00 | 873.98 | 799.09 | 851.90 | 93.80 | 5329.47 | 5029.15 | 5429.96 | 92.62 |
| Total | 37367.00 | 3078.20 | 2920.14 | 2917.43 | 100.09 | 18667.65 | 18024.74 | 18063.64 | 99.78 |

Note: Totals may not tally due to rounding off.

*: Provisional

Figure-1: Monthly Crude Oil Production



¹Including condensate

Unit-wise production details with reasons for shortfall are as under:

1.1 Crude oil production by ONGC during September, 2017 was 1844.25 TMT which is 2.79% lower than the monthly target but 2.25% higher when compared with September, 2016. Cumulative crude oil production by ONGC during April-September, 2017 was 11301.99 TMT which is 1.43% lower than target for the period but 2.48% higher than production during corresponding period of last year. Reasons for shortfall in production with respect to target are as under:

- Offshore: Natural decline/increase in water cut from matured fields of Western Offshore. Gas Lift De-optimization, Electrical Submersible Pump (ESP) failure, and minimum well monitoring/ less stimulation jobs due to severe monsoon in Western Offshore.
- Onshore: Frequent power shut downs in Mehsana, Ahmedabad & Assam hampered lift operations, wells closed for cluster drilling/ rig movements in Assam.

1.2 Crude oil production by OIL during September, 2017 was 276.79 TMT which is 9.88% lower than monthly target but 5.71% higher than production in September, 2016. Cumulative crude oil production by OIL during April-September, 2017 was 1693.60 TMT which is 9.53% lower than target for the period but 5.53% higher than production during corresponding period of last year. Reasons for shortfall in production are as under:

- Less than planned contribution from old wells – rise in water cut in wells and decline in total liquid production of wells of Greater Hapjan and Greater Chandmari Fields.
- Less than planned contribution from work over wells.

1.3 Crude oil production by Pvt/JVs during September, 2017 was 799.09 TMT which is 8.57% lower than the monthly target and 6.20% lower than September, 2016. Cumulative crude oil production by Pvt/JVs during April-September, 2017 was 5029.15 TMT which is 5.64% lower than target for the period and 7.38% lower than the production during corresponding period of last year. Reasons for shortfall in production are as under:

- RJ-ON-90/1 (CIL): Around 120 wells are closed either due to high water cut or require work over jobs. Poor reservoir performance of Bhagyam. Production stopped from Guda, Kaameshwari West, Raageshwari and Saraswati due to non-availability of tanker since July'17.
- CY-ONN-2002/2 (ONGC): Test production from 5 oil wells. PML not yet granted.

Natural Gas

2. Natural gas production during September, 2017 was 2723.24 MMSCM which is 5.58% lower than the target for the month but 4.74% higher when compared with September, 2016. Cumulative natural gas production during April-September, 2017 was 16412.90

MMSCM which is 5.42% lower than target for the period but 4.38% higher than the production during corresponding period of last year. Unit-wise and state-wise natural gas production is given at Annexure-II. Unit-wise natural gas production for the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis same period of last year has been shown in Table-2 and month-wise in Figure-2.

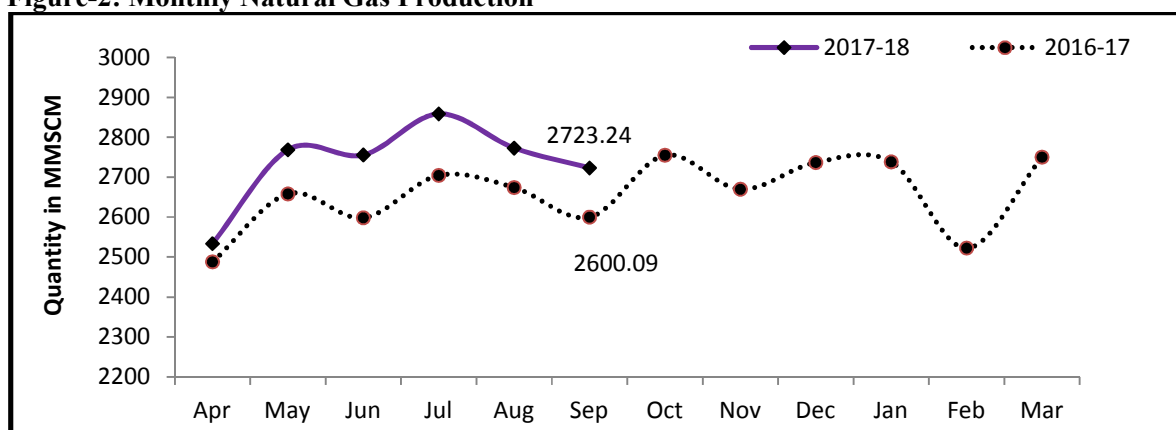
Table-2: Natural Gas Production (MMSCM)

| Oil Company | Target 2017-18 (Apr-Mar) | September (Month) | | | | April-September (Cumulative) | | | |
|--------------|--------------------------------|-------------------|----------------|----------------|------------------|------------------------------|-----------------|-----------------|------------------|
| | | 2017-18 | | 2016-17 | % over last year | 2017-18 | | 2016-17 | % over last year |
| | | Target | Prod.* | Prod. | | Target | Prod.* | Prod. | |
| ONGC | 24208.00 | 1976.13 | 1937.62 | 1841.92 | 105.20 | 11860.29 | 11675.24 | 10683.54 | 109.28 |
| OIL | 3000.00 | 256.43 | 246.05 | 243.49 | 101.05 | 1529.61 | 1481.26 | 1474.37 | 100.47 |
| PSC Fields | 8034.00 | 651.52 | 539.57 | 514.69 | 104.83 | 3963.56 | 3256.40 | 3565.62 | 91.33 |
| Total | 35242.00 | 2884.08 | 2723.24 | 2600.09 | 104.74 | 17353.46 | 16412.90 | 15723.53 | 104.38 |

Note: Totals may not tally due to rounding off.

*: Provisional

Figure-2: Monthly Natural Gas Production



2.1 Natural gas production by ONGC during September, 2017 was 1937.62 MMSCM which is 1.95% lower than the monthly target but 5.20% higher when compared with September, 2016. Cumulative natural gas production by ONGC during April-September, 2017 was 11675.24 MMSCM which is 1.56% lower than the cumulative target but 9.28% higher than the production during the corresponding period of the last year Reasons for shortfall in production are as under:

- Offshore: Delay in commencement of production from well S-AC due to complications during well completion & hook-up in Eastern Offshore.
- Onshore: Less off-take by power plants due to grid restrictions & trippings. Concurrent Planned shutdown of ADB-GCS and OTPC plant in Tripura

2.2 Natural gas production by OIL during September, 2017 was 246.05 MMSCM which is 4.05% lower than the monthly target but 1.05% higher than September, 2016. Cumulative natural gas production by OIL during April-September, 2017 was 1481.26 MMSCM which is 3.16% lower than the cumulative target but 0.47% higher than the production during the corresponding period of last year. The major reason for shortfall in production was inability of customers to offtake gas from time to time due to plant breakdown at customer end and shut down of few non-associated Gas well at various instances due to environmental problem.

2.3 Natural gas production by Pvt/JVs during September, 2017 was 539.57 MMSCM which is 17.18% lower than the monthly target but 4.83% higher when compared with September, 2016. Cumulative natural gas production by Pvt/JVs during April-September, 2017 was 3256.40 MMSCM which is 17.84% lower than the cumulative target and 8.67% lower than the production during the corresponding period of last year. Reasons for shortfall in production are as under:

- Underperformance of wells in KG- OSN-2001/3 (GSPC)
- Sohagpur West (RIL): Underperformance of CBM wells.
- Raniganj East (Essar): Few wells closed for planned maintenance and refrac jobs
- AAP-ON-94/1 (HOEC): Production deferred due to delay in grant of PML. Production commenced from 26th Aug'17.

3. Refinery Production (in terms of crude oil processed)

Refinery production during September, 2017 was 20480.58 TMT which is 3.45% higher than the target for the month and 3.87% higher when compared with September, 2016. Cumulative production during April-September, 2017 was 122386.55 TMT which is 3.95% higher than the target for the period and 0.73% higher than the production during corresponding period of last year. Unit-wise production is given at Annexure-III. Company-wise production for the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis same period of last year has been shown in Table-3 and month-wise in Figure-3.

Figure 3: Monthly Refinery Production

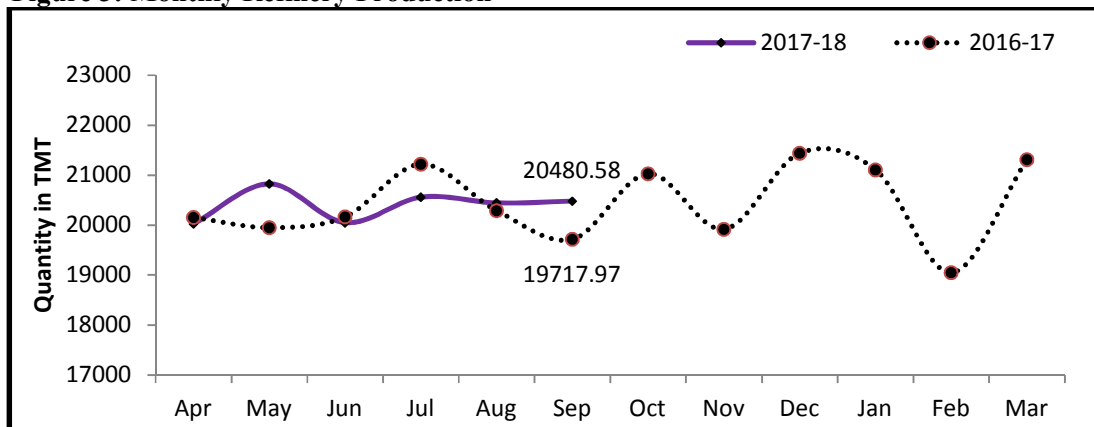


Table 3: Refinery Production (TMT)

| Oil Company | Target | September (Month) | | | | April-September (Cumulative) | | | |
|----------------|----------------------|-------------------|-----------------|-----------------|------------------|------------------------------|------------------|------------------|------------------|
| | 2017-18 (Apr-Mar) | 2017-18 | | 2016-17 | % over last year | 2017-18 | | 2016-17 | % over last year |
| | | Target | Prod.* | Prod. | | Target | Prod.* | Prod. | |
| CPSE | 139090 | 11181.58 | 11290.71 | 10768.86 | 104.85 | 66253.14 | 70169.79 | 67368.37 | 104.16 |
| IOCL | 65750 | 5326.00 | 5425.29 | 4996.21 | 108.59 | 30829.00 | 33617.01 | 31733.17 | 105.94 |
| BPCL | 27000 | 2200.00 | 2359.25 | 2091.64 | 112.79 | 12700.00 | 13225.62 | 12577.58 | 105.15 |
| HPCL | 17309 | 1449.73 | 1471.41 | 1364.26 | 107.85 | 8510.36 | 9128.39 | 8517.21 | 107.18 |
| CPCL | 10300 | 911.10 | 724.36 | 927.03 | 78.14 | 5350.68 | 5232.18 | 5572.55 | 93.89 |
| NRL | 2670 | 219.53 | 232.88 | 79.93 | 291.35 | 1338.54 | 1409.64 | 1243.55 | 113.36 |
| MRPL | 16000 | 1070.00 | 1070.08 | 1302.31 | 82.17 | 7495.00 | 7518.37 | 7682.54 | 97.86 |
| ONGC | 62 | 5.23 | 7.44 | 7.48 | 99.49 | 29.55 | 38.58 | 41.77 | 92.35 |
| JVs | 15201 | 1138.00 | 1620.80 | 1416.89 | 114.39 | 6514.00 | 6485.49 | 8775.05 | 73.91 |
| BORL | 6000 | 225.00 | 620.73 | 501.46 | 123.78 | 2850.00 | 3625.56 | 3273.29 | 110.76 |
| HMEL | 9201 | 913.00 | 1000.07 | 915.42 | 109.25 | 3664.00 | 2859.93 | 5501.77 | 51.98 |
| Private | 90480 | 7478.26 | 7569.07 | 7532.23 | 100.49 | 44973.82 | 45731.27 | 45359.10 | 100.82 |
| RIL | 70174 | 5781.35 | 5882.80 | 5781.35 | 101.75 | 34849.51 | 35368.96 | 34849.51 | 101.49 |
| EOL | 20306 | 1696.90 | 1686.27 | 1750.87 | 96.31 | 10124.31 | 10362.31 | 10509.59 | 98.60 |
| TOTAL | 244771 | 19797.84 | 20480.58 | 19717.97 | 103.87 | 117740.96 | 122386.55 | 121502.52 | 100.73 |

Note: Totals may not tally due to rounding off.

*: Provisional

3.1 CPSE Refineries' production during September, 2017 was 11290.71 TMT which is 0.98% higher than the target for the month and 4.85% higher than the production achieved in the corresponding month of last year. Cumulative production by CPSE refineries during April-September, 2017 was 70169.79 TMT which is 5.91% higher than the target for the period and 4.16% higher than the production during corresponding period of last year. Reasons for shortfall of refinery production in some CPSE refineries are as under:

- IOCL, Barauni: Throughput is lower than plan due to AVU-3 interruption and restricted crude processing due to HSD containment.
- IOCL, Gujarat: Throughput is lower due to lower NG Crude receipt
- IOCL Mathura: Throughput is lower due to deferment of planned shutdown from Aug-Sep'17 to Sep'17.
- IOCL Panipat: Throughput is lower due to 1 day AVU interruption in Sep'17.
- HPCL Mumbai: Unplanned shutdown of LR VPS
- CPCL CBR: Throughput lower due to product upliftment constraints

3.2 Production in JV refineries during September, 2017 was 1620.80 TMT which is 42.43% higher than the target for the month and 14.39% higher than the production achieved in the corresponding month of last year. Cumulative production by JVs refineries during April-September, 2017 was 6485.49 TMT which is 0.44% lower than the target for the period and 26.09% lower than the production during corresponding period of last year.

- 3.3 Production in private refineries during September, 2017 was 7569.07 TMT which is 1.21% higher than the target for the month and 0.49% higher when compared with September, 2016. Cumulative production by private refineries during April-September, 2017 was 45731.28 TMT which is 1.68% higher than the target for the period and 0.82% higher than the production during corresponding period of last year.
- 3.4 Refinery-wise details of the capacity utilization and production of petroleum products during the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis April-September, 2016 are given at Annexures - IV and V respectively.

MINISTRY OF PETROLEUM & NATURAL GAS

Annexure-I

Crude Oil Production during the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis April-September, 2016

(Para 1)

(Qty: '000' Tonnes)

| Name of Undertaking/Unit/State | Planned production during the month | Production during the | | | Cumulative Production | | | % variation over last year | | % variation during the month under review over planned production |
|--------------------------------|-------------------------------------|-----------------------|-------------------------------------|------------------------------------|--|---|---|-------------------------------|----------------------------|---|
| | | Month under review * | Corresponding month of last year ** | Preceding month of current year ** | (April-September) | | | During the month under review | Upto the end of the period | |
| | | | | | Planned production during current year | Actual production during current year * | Actual production during corresponding period of last year ** | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| 1. ONGC | 1897.097 | 1844.253 | 1803.680 | 1898.474 | 11466.178 | 11301.990 | 11028.899 | 2.25 | 2.48 | -2.79 |
| Onshore | 502.804 | 494.959 | 490.105 | 514.195 | 3022.480 | 3017.067 | 2942.185 | 0.99 | 2.55 | -1.56 |
| Andhra Pradesh | 27.624 | 27.653 | 24.232 | 29.058 | 155.132 | 167.209 | 130.743 | 14.12 | 27.89 | 0.11 |
| Assam ^ | 83.001 | 80.048 | 77.955 | 83.183 | 503.088 | 492.514 | 469.223 | 2.68 | 4.96 | -3.56 |
| Gujarat | 371.107 | 365.178 | 369.328 | 379.091 | 2240.590 | 2224.486 | 2227.065 | -1.12 | -0.12 | -1.60 |
| Tamil Nadu | 21.072 | 22.080 | 18.590 | 22.863 | 123.671 | 132.858 | 115.154 | 18.77 | 15.37 | 4.78 |
| Offshore | 1394.293 | 1349.294 | 1313.575 | 1384.279 | 8443.698 | 8284.923 | 8086.714 | 2.72 | 2.45 | -3.23 |
| Eastern Offshore | 6.122 | 0.602 | 1.365 | 0.782 | 39.004 | 4.300 | 7.674 | -55.90 | -43.97 | -90.17 |
| Western Offshore | 1251.809 | 1223.007 | 1206.297 | 1268.903 | 7602.880 | 7565.507 | 7408.795 | 1.39 | 2.12 | -2.30 |
| Condensates | 136.362 | 125.685 | 105.913 | 114.594 | 801.814 | 715.116 | 670.245 | 18.67 | 6.69 | -7.83 |
| 2. OIL (Onshore) | 307.129 | 276.794 | 261.841 | 288.480 | 1872.000 | 1693.601 | 1604.784 | 5.71 | 5.53 | -9.88 |
| Assam | 306.590 | 276.125 | 261.218 | 287.748 | 1868.535 | 1689.363 | 1600.881 | 5.71 | 5.53 | -9.94 |
| Arunachal Pradesh | 0.539 | 0.621 | 0.623 | 0.630 | 3.465 | 3.774 | 3.903 | -0.32 | -3.31 | 15.21 |
| Rajasthan (Heavy Oil) | - | 0.048 | 0.000 | 0.102 | - | 0.464 | 0.000 | - | - | - |
| 3. DGH (Private / JVC) | 873.978 | 799.094 | 851.904 | 832.983 | 5329.468 | 5029.151 | 5429.956 | -6.20 | -7.38 | -8.57 |
| Onshore | 725.517 | 640.379 | 688.611 | 671.391 | 4423.842 | 4057.237 | 4324.634 | -7.00 | -6.18 | -11.73 |
| Arunachal Pradesh | 4.277 | 3.509 | 3.884 | 3.785 | 26.089 | 22.306 | 23.684 | -9.65 | -5.82 | -17.95 |
| Assam | 0.828 | 0.320 | 0.000 | 0.039 | 5.052 | 0.359 | 0.000 | - | - | -61.36 |
| Gujarat | 16.482 | 11.611 | 11.328 | 11.104 | 98.758 | 67.206 | 69.410 | 2.50 | -3.18 | -29.56 |
| Rajasthan | 693.595 | 617.903 | 669.505 | 649.136 | 4230.903 | 3924.992 | 4217.549 | -7.71 | -6.94 | -10.91 |
| Tamil Nadu | 10.334 | 7.036 | 3.894 | 7.327 | 63.040 | 42.374 | 13.991 | 80.69 | 202.87 | -31.92 |
| Offshore | 148.462 | 158.715 | 163.293 | 161.592 | 905.626 | 971.914 | 1105.322 | -2.80 | -12.07 | 6.91 |
| Eastern Offshore | 65.345 | 68.850 | 77.825 | 66.246 | 398.614 | 431.366 | 489.047 | -11.53 | -11.79 | 5.36 |
| Gujarat Offshore | 24.880 | 31.210 | 31.138 | 33.959 | 151.766 | 189.861 | 198.202 | 0.23 | -4.21 | 25.44 |
| Western Offshore | 58.237 | 58.655 | 54.330 | 61.387 | 355.246 | 350.687 | 418.073 | 7.96 | -16.12 | 0.72 |
| GRAND TOTAL (1+2+3) | 3078.204 | 2920.141 | 2917.425 | 3019.937 | 18667.646 | 18024.742 | 18063.639 | 0.09 | -0.22 | -5.13 |
| Onshore | 1535.449 | 1412.132 | 1440.557 | 1474.066 | 9318.322 | 4543.706 | 8871.603 | -1.97 | -48.78 | -8.03 |
| Offshore | 1542.755 | 1508.009 | 1476.868 | 1545.871 | 9349.324 | 4614.199 | 9192.036 | 2.11 | -49.80 | -2.25 |

Note: Totals may not tally due to rounding off figures.

^: Includes crude oil production of Tripura

*: Provisional. **: Revised

Reasons for shortfall are indicated in the note.

MINISTRY OF PETROLEUM & NATURAL GAS

Annexure-II

Natural Gas Production during the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis April-September, 2016

(Para 2)

(Qty: Million Cubic Meters)

| Name of Undertaking/Unit/State | Planned production during the month | Production during the | | | Cumulative Production (April-September) | | | % variation over last year | | % variation during the month under review over planned production |
|--------------------------------|-------------------------------------|-----------------------|-------------------------------------|------------------------------------|---|---|---|-------------------------------|----------------------------|---|
| | | Month under review * | Corresponding month of last year ** | Preceding month of current year ** | Planned production during current year | Actual production during current year * | Actual production during corresponding period of last year ** | During the month under review | Upto the end of the period | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| 1. ONGC | 1976.133 | 1937.621 | 1841.917 | 1953.245 | 11860.295 | 11675.240 | 10683.537 | 5.20 | 9.28 | -1.95 |
| Onshore | 444.382 | 452.607 | 428.352 | 455.774 | 2729.529 | 2800.528 | 2470.822 | 5.66 | 13.34 | 1.85 |
| Andhra Pradesh | 79.646 | 77.883 | 77.280 | 77.555 | 473.787 | 447.923 | 406.958 | 0.78 | 10.07 | -2.21 |
| Assam | 36.461 | 42.828 | 35.734 | 45.728 | 219.236 | 255.226 | 218.101 | 19.85 | 17.02 | 17.46 |
| Gujarat | 114.351 | 127.270 | 125.704 | 133.200 | 699.789 | 799.171 | 689.234 | 1.25 | 15.95 | 11.30 |
| Rajasthan | 0.411 | 0.622 | 0.207 | 0.444 | 2.506 | 2.246 | 1.619 | 200.48 | 38.73 | 51.52 |
| Tamil Nadu | 93.006 | 99.751 | 74.743 | 102.169 | 579.265 | 591.843 | 463.134 | 33.46 | 27.79 | 7.25 |
| Tripura | 120.507 | 104.253 | 114.684 | 96.678 | 754.947 | 704.119 | 691.776 | -9.10 | 1.78 | -13.49 |
| Offshore | 1531.751 | 1485.014 | 1413.565 | 1497.471 | 9130.765 | 8874.712 | 8212.715 | 5.05 | 8.06 | -3.05 |
| Eastern Offshore | 75.108 | 44.587 | 41.899 | 46.171 | 382.125 | 292.874 | 141.143 | 6.42 | 107.50 | -40.64 |
| Western Offshore | 1456.643 | 1440.427 | 1371.666 | 1451.300 | 8748.640 | 8581.838 | 8071.572 | 5.01 | 6.32 | -1.11 |
| 2. OIL | 256.426 | 246.046 | 243.489 | 261.471 | 1529.613 | 1481.264 | 1474.372 | 1.05 | 0.47 | -4.05 |
| Assam | 235.650 | 227.849 | 224.603 | 244.436 | 1402.878 | 1375.407 | 1349.000 | 1.45 | 1.96 | -3.31 |
| Arunachal Pradesh | 1.050 | 0.930 | 0.981 | 1.011 | 6.405 | 5.883 | 5.947 | -5.20 | -1.08 | -11.43 |
| Rajasthan | 19.726 | 17.267 | 17.905 | 16.024 | 120.330 | 99.974 | 119.425 | -3.56 | -16.29 | -12.47 |
| 3. DGH (Private / JVC) | 651.517 | 539.568 | 514.686 | 558.222 | 3963.557 | 3256.399 | 3565.622 | 4.83 | -8.67 | -17.18 |
| Onshore | 120.913 | 114.088 | 93.365 | 112.761 | 738.120 | 668.391 | 616.608 | 22.20 | 8.40 | -5.64 |
| Arunachal Pradesh | 18.740 | 1.192 | 0.972 | 1.261 | 114.312 | 7.825 | 7.062 | 22.63 | 10.80 | -93.64 |
| Assam | 0.719 | 6.095 | 0.000 | 0.607 | 4.249 | 6.702 | 0.000 | - | - | 747.71 |
| Gujarat | 6.118 | 6.236 | 6.984 | 6.602 | 38.011 | 39.947 | 46.482 | -10.71 | -14.06 | 1.92 |
| Rajasthan | 94.015 | 99.402 | 84.992 | 103.084 | 573.492 | 607.439 | 561.657 | 16.95 | 8.15 | 5.73 |
| Tamil Nadu | 1.321 | 1.163 | 0.417 | 1.207 | 8.056 | 6.478 | 1.407 | 178.90 | 360.41 | -11.94 |
| CBM | 109.212 | 63.576 | 47.816 | 65.247 | 651.393 | 333.414 | 266.464 | 32.96 | 25.13 | -41.79 |
| Jharkhand (CBM) | 0.295 | 0.342 | 0.250 | 0.389 | 1.800 | 2.086 | 1.407 | 36.80 | 48.26 | 15.93 |
| Madhya Pradesh (CBM) | 38.630 | 17.424 | 0.525 | 17.219 | 235.644 | 54.680 | 2.336 | 3218.86 | 2240.75 | -54.90 |
| West Bengal (CBM) | 70.287 | 45.810 | 47.041 | 47.639 | 413.949 | 276.648 | 262.721 | -2.62 | 5.30 | -34.82 |
| Offshore | 421.392 | 361.904 | 373.505 | 380.214 | 2574.044 | 2254.594 | 2682.550 | -3.11 | -15.95 | -14.12 |
| Eastern Offshore | 269.298 | 187.859 | 248.740 | 197.453 | 1642.720 | 1254.961 | 1680.951 | -24.48 | -25.34 | -30.24 |
| Gujarat Offshore | 3.145 | 8.806 | 6.868 | 9.525 | 22.737 | 49.261 | 40.975 | 28.22 | 20.22 | 180.03 |
| Western Offshore | 148.949 | 165.239 | 117.897 | 173.236 | 908.587 | 950.372 | 960.624 | 40.16 | -1.07 | 10.94 |
| TOTAL (1+2+3) | 2884.076 | 2723.235 | 2600.092 | 2772.938 | 17353.464 | 16412.903 | 15723.531 | 4.74 | 4.38 | -5.58 |
| CBM | 109.212 | 63.576 | 47.816 | 65.247 | 651.393 | 333.414 | 266.464 | 32.96 | 25.13 | -41.79 |
| Onshore | 821.721 | 812.741 | 765.206 | 830.006 | 4997.262 | 4950.183 | 4561.802 | 6.21 | 8.51 | -1.09 |
| Offshore | 1953.143 | 1846.918 | 1787.070 | 1877.685 | 11704.810 | 11129.306 | 10895.265 | 3.35 | 2.15 | -5.44 |

Note: Totals may not tally due to rounding off figures.

*: Provisional.

** : Revised

CBM: Coal Bed Methane production.

Reasons for shortfall are indicated in the note.

MINISTRY OF PETROLEUM & NATURAL GAS

Annexure-III

Refinery Production (in terms of crude oil processed) during the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis April-September, 2016

(Para 3)

(Qty: '000' Tonnes)

| Name of Undertaking/Unit | Planned production during the month | Production during the | | | Cumulative Production | | | % variation over last year | | % variation during the month under review over planned production |
|--------------------------|-------------------------------------|-----------------------|----------------------------------|------------------------------------|--|---|---|----------------------------|----------------------------|---|
| | | Month under review * | Corresponding month of last year | Preceding month of current year ** | (April-September) | | | During the month under | Upto the end of the period | |
| | | | | | Planned production during current year | Actual production during current year * | Actual production during corresponding period of last year ** | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| A. Public Sector | 11181.581 | 11290.709 | 10768.858 | 11193.776 | 66253.137 | 70169.786 | 67368.367 | 4.85 | 4.16 | 0.98 |
| 1. IOC, Guwahati | 71.000 | 84.663 | 68.189 | 86.622 | 418.000 | 495.686 | 436.167 | 24.16 | 13.65 | 19.24 |
| 2. IOC, Barauni | 525.000 | 433.816 | 512.540 | 118.718 | 2495.000 | 2497.863 | 3342.995 | -15.36 | -25.28 | -17.37 |
| 3. IOC, Gujarat | 1130.000 | 1137.691 | 1084.316 | 1239.887 | 6170.000 | 6341.667 | 7275.161 | 4.92 | -12.83 | 0.68 |
| 4. IOC, Haldia | 660.000 | 665.752 | 665.081 | 670.089 | 4040.000 | 4065.917 | 4041.960 | 0.10 | 0.59 | 0.87 |
| 5. IOC, Mathura | 350.000 | 303.816 | 748.541 | 723.211 | 3800.000 | 4276.958 | 4612.562 | -59.41 | -7.28 | -13.20 |
| 6. IOC, Digboi | 40.000 | 55.977 | 46.023 | 58.427 | 252.000 | 334.269 | 250.818 | 21.63 | 33.27 | 39.94 |
| 7. IOC, Panipat | 1240.000 | 1333.635 | 1233.884 | 1113.774 | 7184.000 | 7487.692 | 7741.038 | 8.08 | -3.27 | 7.55 |
| 8. IOC, Bongaigaon | 100.000 | 193.221 | 192.799 | 173.977 | 1080.000 | 1177.522 | 1235.902 | 0.22 | -4.72 | 93.22 |
| 9. IOC, Paradip | 1210.000 | 1216.717 | 444.836 | 1108.364 | 5390.000 | 6939.437 | 2796.563 | 173.52 | 148.14 | 0.56 |
| Total IOC | 5326.000 | 5425.288 | 4996.209 | 5293.069 | 30829.000 | 33617.011 | 31733.166 | 8.59 | 5.94 | 1.86 |
| 10. BPCL, Mumbai | 1000.000 | 1163.644 | 1167.175 | 1231.365 | 6310.000 | 6689.806 | 7068.081 | -0.30 | -5.35 | 16.36 |
| 11. BPCL, Kochi | 1200.000 | 1195.607 | 924.469 | 897.043 | 6390.000 | 6535.809 | 5509.496 | 29.33 | 18.63 | -0.37 |
| Total BPCL | 2200.000 | 2359.251 | 2091.644 | 2128.408 | 12700.000 | 13225.615 | 12577.577 | 12.79 | 5.15 | 7.24 |
| 12. HPCL, Mumbai | 656.979 | 649.992 | 630.680 | 742.636 | 4010.884 | 4262.717 | 4119.070 | 3.06 | 3.49 | -1.06 |
| 13. HPCL, Visakh | 792.750 | 821.418 | 733.582 | 829.461 | 4499.475 | 4865.676 | 4398.142 | 11.97 | 10.63 | 3.62 |
| Total HPCL | 1449.729 | 1471.410 | 1364.262 | 1572.097 | 8510.359 | 9128.393 | 8517.212 | 7.85 | 7.18 | 1.50 |
| 14. CPCL, Manali | 870.000 | 691.123 | 884.662 | 910.570 | 5100.000 | 4996.197 | 5297.057 | -21.88 | -5.68 | -20.56 |
| 15. CPCL, CBR | 41.096 | 33.240 | 42.366 | 34.185 | 250.685 | 235.985 | 275.489 | -21.54 | -14.34 | -19.12 |
| Total CPCL | 911.096 | 724.363 | 927.028 | 944.755 | 5350.685 | 5232.182 | 5572.546 | -21.86 | -6.11 | -20.50 |
| 16. NRL, Numaligarh | 219.529 | 232.881 | 79.931 | 233.253 | 1338.542 | 1409.639 | 1243.555 | 191.35 | 13.36 | 6.08 |
| 17. MRPL, Mangalore | 1070.000 | 1070.075 | 1302.305 | 1017.265 | 7495.000 | 7518.368 | 7682.538 | -17.83 | -2.14 | 0.01 |
| 18. ONGC, Tatipaka | 5.228 | 7.441 | 7.479 | 4.929 | 29.551 | 38.578 | 41.774 | -0.51 | -7.65 | 42.34 |
| B. Joint Venture | 1138.000 | 1620.797 | 1416.887 | 1507.392 | 6514.000 | 6485.494 | 8775.052 | 14.39 | -26.09 | 42.43 |
| 19. BORL, Bina | 225.000 | 620.731 | 501.463 | 620.353 | 2850.000 | 3625.561 | 3273.287 | 23.78 | 10.76 | 175.88 |
| 20. HMEL, GGSR, Bhatinda | 913.000 | 1000.066 | 915.424 | 887.039 | 3664.000 | 2859.933 | 5501.765 | 9.25 | -48.02 | 9.54 |
| C. Private Sector | 7478.255 | 7569.070 | 7532.226 | 7743.575 | 44973.824 | 45731.267 | 45359.101 | 0.49 | 0.82 | 1.21 |
| 21. RIL, Jamnagar | 2657.713 | 2712.461 | 2657.713 | 2803.008 | 16565.262 | 16335.882 | 16565.262 | 2.06 | -1.38 | 2.06 |
| 22. RIL, SEZ | 3123.639 | 3170.336 | 3123.639 | 3161.574 | 18284.251 | 19033.076 | 18284.251 | 1.49 | 4.10 | 1.49 |
| Total RIL | 5781.352 | 5882.797 | 5781.352 | 5964.582 | 34849.513 | 35368.958 | 34849.513 | 1.75 | 1.49 | 1.75 |
| 23. EOL, Vadinar | 1696.904 | 1686.273 | 1750.874 | 1778.993 | 10124.311 | 10362.309 | 10509.588 | -3.69 | -1.40 | -0.63 |
| TOTAL(A+B+C) | 19797.836 | 20480.576 | 19717.971 | 20444.743 | 117740.960 | 122386.547 | 121502.520 | 3.87 | 0.73 | 3.45 |

Note: Totals may not tally due to rounding off figures. *: Provisional. **: Revised

Reasons for shortfall are indicated in the note.

MINISTRY OF PETROLEUM & NATURAL GAS

Annexure-IV

Refinery-wise Capacity Utilisation during the month of September, 2017 and cumulatively for the period April-Sept, 2017 vis-à-vis April-Sept, 2016

(Para 3.4)

(Qty: '000' Tonnes)

| Name of Undertaking/Unit | September, 2017 | | | September, 2016 | | | Cumulative (April - September) | | | | | |
|--------------------------|-----------------------------|----------------------|-------------------------------------|-----------------------------|--------------------|-------------------------------------|--------------------------------|----------------------|-------------------------------------|-----------------------------|-----------------------|-------------------------------------|
| | Prorated Installed Capacity | Actual Crude T'put * | % Utilisation of Installed Capacity | Prorated Installed Capacity | Actual Crude T'put | % Utilisation of Installed Capacity | 2017-18 | | | 2016-17 | | |
| | | | | | | | Prorated Installed Capacity | Actual Crude T'put * | % Utilisation of Installed Capacity | Prorated Installed Capacity | Actual Crude T'put ** | % Utilisation of Installed Capacity |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| A. Public Sector | 11424.00 | 11290.71 | 98.83 | 11071.00 | 10768.86 | 97.27 | 69688.00 | 70169.79 | 100.69 | 67718.00 | 67368.37 | 99.48 |
| 1. IOC, Guwahati | 82.00 | 84.66 | 103.25 | 82.00 | 68.19 | 83.16 | 501.00 | 495.69 | 98.94 | 501.00 | 436.17 | 87.06 |
| 2. IOC, Barauni | 493.00 | 433.82 | 88.00 | 492.00 | 512.54 | 104.17 | 3008.00 | 2497.86 | 83.04 | 3008.00 | 3343.00 | 111.14 |
| 3. IOC, Gujarat | 1126.00 | 1137.69 | 101.04 | 1123.00 | 1084.32 | 96.56 | 6869.00 | 6341.67 | 92.32 | 6869.00 | 7275.16 | 105.91 |
| 4. IOC, Haldia | 616.00 | 665.75 | 108.08 | 615.00 | 665.08 | 108.14 | 3760.00 | 4065.92 | 108.14 | 3760.00 | 4041.96 | 107.50 |
| 5. IOC, Mathura | 658.00 | 303.82 | 46.17 | 656.00 | 748.54 | 114.11 | 4011.00 | 4276.96 | 106.63 | 4011.00 | 4612.56 | 115.00 |
| 6. IOC, Digboi | 53.00 | 55.98 | 105.62 | 53.00 | 46.02 | 86.84 | 326.00 | 334.27 | 102.54 | 326.00 | 250.82 | 76.94 |
| 7. IOC, Panipat | 1233.00 | 1333.64 | 108.16 | 1230.00 | 1233.88 | 100.32 | 7521.00 | 7487.69 | 99.56 | 7521.00 | 7741.04 | 102.93 |
| 8. IOC, Bongaigaon | 193.00 | 193.22 | 100.11 | 193.00 | 192.80 | 99.90 | 1178.00 | 1177.52 | 99.96 | 1178.00 | 1235.90 | 104.92 |
| 9. IOC, Paradip | 1233.00 | 1216.72 | 98.68 | 1230.00 | 444.84 | 0.00 | 7521.00 | 6939.44 | 92.27 | 7521.00 | 2796.56 | 0.00 |
| Total IOC | 5688.00 | 5425.29 | 95.38 | 5672.00 | 4996.21 | 88.09 | 34695.00 | 33617.01 | 96.89 | 34695.00 | 31733.17 | 91.46 |
| 10. BPCL, Mumbai | 986.00 | 1163.64 | 118.02 | 984.00 | 1167.18 | 118.62 | 6016.00 | 6689.81 | 111.20 | 6016.00 | 7068.08 | 117.49 |
| 11. BPCL, Kochi | 1019.00 | 1195.61 | 117.33 | 779.00 | 924.47 | 118.67 | 6217.00 | 6535.81 | 105.13 | 4763.00 | 5509.50 | 115.67 |
| Total BPCL | 2005.00 | 2359.25 | 117.67 | 1762.00 | 2091.64 | 118.71 | 12233.00 | 13225.62 | 108.11 | 10779.00 | 12577.58 | 116.69 |
| 12. HPCL, Mumbai | 616.00 | 649.99 | 105.52 | 533.00 | 630.68 | 118.33 | 3760.00 | 4262.72 | 113.37 | 3259.00 | 4119.07 | 126.39 |
| 13. HPCL, Visakh | 685.00 | 821.42 | 119.92 | 680.00 | 733.58 | 107.88 | 4176.00 | 4865.68 | 116.52 | 4161.00 | 4398.14 | 105.70 |
| Total HPCL | 1301.00 | 1471.41 | 113.10 | 1213.00 | 1364.26 | 112.47 | 7937.00 | 9128.39 | 115.01 | 7420.00 | 8517.21 | 114.79 |
| 14. CPCL, Manali | 863.00 | 691.12 | 80.08 | 861.00 | 884.66 | 102.75 | 5264.00 | 4996.20 | 94.91 | 5264.00 | 5297.06 | 100.63 |
| 15. CPCL, CBR | 82.00 | 33.24 | 40.54 | 82.00 | 42.37 | 51.67 | 501.00 | 235.99 | 47.10 | 501.00 | 275.49 | 54.99 |
| Total CPCL | 945.00 | 724.36 | 76.65 | 943.00 | 927.03 | 98.31 | 5766.00 | 5232.18 | 90.74 | 5766.00 | 5572.55 | 96.64 |
| 16. NRL, Numaligarh | 247.00 | 232.88 | 94.28 | 246.00 | 79.93 | 32.49 | 1504.00 | 1409.64 | 93.73 | 1504.00 | 1243.55 | 82.68 |
| 17. MRPL, Mangalore | 1233.00 | 1070.08 | 86.79 | 1230.00 | 1302.31 | 105.88 | 7521.00 | 7518.37 | 99.97 | 7521.00 | 7682.54 | 102.15 |
| 18. ONGC, Tatipaka | 5.00 | 7.44 | 148.82 | 5.00 | 7.48 | 149.59 | 33.00 | 38.58 | 116.90 | 33.00 | 41.77 | 126.59 |
| B. Joint Venture | 1233.00 | 1620.80 | 131.45 | 1230.00 | 1416.89 | 115.19 | 7521.00 | 6485.49 | 86.23 | 7521.00 | 8775.05 | 116.67 |
| 19. BORL, Bina | 493.00 | 620.73 | 125.91 | 492.00 | 501.46 | 101.92 | 3008.00 | 3625.56 | 120.53 | 3008.00 | 3273.29 | 108.82 |
| 20. HMEL, GGSR, Bhatinda | 740.00 | 1000.07 | 135.14 | 738.00 | 915.42 | 124.04 | 4512.00 | 2859.93 | 63.39 | 4512.00 | 5501.77 | 121.94 |
| C. Private Sector | 6575.00 | 7569.07 | 115.12 | 6557.00 | 7532.23 | 114.87 | 40110.00 | 45731.27 | 114.01 | 40110.00 | 45359.10 | 113.09 |
| 21. RIL, Jamnagar | 2712.00 | 2712.46 | 100.02 | 2705.00 | 2657.71 | 98.25 | 16545.00 | 16335.88 | 98.74 | 16545.00 | 16565.26 | 100.12 |
| 22. RIL, SEZ | 2219.00 | 3170.34 | 142.87 | 2213.00 | 3123.64 | 141.15 | 13537.00 | 19033.08 | 140.60 | 13537.00 | 18284.25 | 135.07 |
| Total RIL | 4932.00 | 5882.80 | 119.28 | 4918.00 | 5781.35 | 117.55 | 30082.00 | 35368.96 | 117.58 | 30082.00 | 34849.51 | 115.85 |
| 23. EOL, Vadinar | 1644.00 | 1686.27 | 102.57 | 1639.00 | 1750.87 | 106.83 | 10027.00 | 10362.31 | 103.34 | 10027.00 | 10509.59 | 104.81 |
| TOTAL(A+B+C) | 19233.00 | 20480.58 | 106.49 | 18858.00 | 19717.97 | 104.56 | 117319.00 | 122386.55 | 104.32 | 115348.00 | 121502.52 | 105.34 |

*: Provisional. **:Revised

MINISTRY OF PETROLEUM & NATURAL GAS

Production of Petroleum Products during the month of September, 2017 and cumulatively for the period April-September, 2017 vis-à-vis April-September, 2016

Annexure-V

(Para 3.4)

(Qty: '000' Tonnes)

| Name of Undertaking/Unit | Planned production during the month | Production during the | | | Cumulative Production | | | % variation over last year | | % variation during the month under review over planned production |
|-------------------------------|-------------------------------------|-----------------------|----------------------------------|------------------------------------|--|--|--|-------------------------------|----------------------------|---|
| | | Month under review * | Corresponding month of last year | Preceding month of current year ** | (April-September) | | | During the month under review | Upto the end of the period | |
| | | | | | Planned production during current year | Actual production during current year* | Actual production during corresponding period of last year** | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| I. Refinery | | | | | | | | | | |
| A. Public Sector | 10420.343 | 10738.906 | 9888.627 | 10544.869 | 61813.426 | 66251.257 | 62848.793 | 8.60 | 5.41 | 3.06 |
| 1. IOC, Guwahati | 75.636 | 89.815 | 86.128 | 100.486 | 445.293 | 547.453 | 568.446 | 4.28 | -3.69 | 18.75 |
| 2. IOC, Barauni | 483.301 | 427.760 | 474.909 | 48.169 | 2296.832 | 2322.210 | 3019.123 | -9.93 | -23.08 | -11.49 |
| 3. IOC, Gujarat | 1075.025 | 1099.460 | 975.717 | 1143.805 | 5869.825 | 6108.733 | 6763.981 | 12.68 | -9.69 | 2.27 |
| 4. IOC, Haldia | 611.749 | 634.596 | 614.944 | 612.117 | 3744.643 | 3792.542 | 3679.040 | 3.20 | 3.99 | 3.73 |
| 5. IOC, Mathura | 339.258 | 308.843 | 710.472 | 728.732 | 3683.375 | 4280.657 | 4477.058 | -56.53 | -4.39 | -8.97 |
| 6. IOC, Digboi | 40.320 | 58.041 | 46.854 | 55.729 | 254.016 | 329.341 | 257.089 | 23.88 | 28.10 | 43.95 |
| 7. IOC, Panipat | 1243.860 | 1390.901 | 1191.923 | 1051.914 | 7206.361 | 7344.590 | 7629.015 | 16.69 | -3.73 | 11.82 |
| 8. IOC, Bongaigaon | 91.926 | 182.849 | 191.580 | 177.853 | 992.802 | 1027.992 | 1077.466 | -4.56 | -4.59 | 98.91 |
| 9. IOC, Paradip | 1018.355 | 1069.971 | 302.482 | 988.682 | 4536.307 | 6203.415 | 2287.246 | 253.73 | 171.22 | 5.07 |
| Total IOC | 4979.429 | 5262.236 | 4595.009 | 4907.487 | 29029.453 | 31956.933 | 29726.464 | 14.52 | 7.50 | 5.68 |
| 10. BPCL, Mumbai | 959.711 | 1115.235 | 1129.404 | 1196.236 | 6028.328 | 6470.316 | 6798.765 | -1.25 | -4.83 | 16.21 |
| 11. BPCL, Kochi | 1103.013 | 1131.776 | 874.634 | 922.801 | 5982.440 | 6294.338 | 5201.696 | 29.40 | 21.01 | 2.61 |
| Total BPCL | 2062.724 | 2247.011 | 2004.038 | 2119.037 | 12010.768 | 12764.654 | 12000.461 | 12.12 | 6.37 | 8.93 |
| 12. HPCL, Mumbai | 608.275 | 622.823 | 583.594 | 706.876 | 3716.516 | 4009.606 | 3801.840 | 6.72 | 5.46 | 2.39 |
| 13. HPCL, Visakh | 714.764 | 749.040 | 663.352 | 782.427 | 4107.706 | 4513.302 | 4016.968 | 12.92 | 12.36 | 4.80 |
| Total HPCL | 1323.038 | 1371.863 | 1246.946 | 1489.303 | 7824.222 | 8522.908 | 7818.808 | 10.02 | 9.01 | 3.69 |
| 14. CPCL, Manali | 789.579 | 646.558 | 808.449 | 823.836 | 4621.871 | 4549.189 | 4864.564 | -20.02 | -6.48 | -18.11 |
| 15. CPCL, CBR | 41.295 | 33.650 | 42.431 | 34.590 | 251.900 | 238.062 | 276.661 | -20.69 | -13.95 | -18.51 |
| Total CPCL | 830.875 | 680.208 | 850.880 | 858.426 | 4873.772 | 4787.251 | 5141.225 | -20.06 | -6.89 | -18.13 |
| 16. NRL, Numaligarh | 216.602 | 239.930 | 74.490 | 218.278 | 1321.034 | 1443.042 | 1219.000 | 222.10 | 18.38 | 10.77 |
| 17. MRPL, Mangalore | 1002.576 | 930.663 | 1110.075 | 947.756 | 6725.347 | 6739.768 | 6902.736 | -16.16 | -2.36 | -7.17 |
| 18. ONGC, Tatipaka | 5.100 | 6.995 | 7.189 | 4.582 | 28.830 | 36.701 | 40.098 | -2.70 | -8.47 | 37.16 |
| B. Joint Venture | 1069.400 | 1480.017 | 1181.374 | 1349.988 | 6029.650 | 5991.931 | 8088.383 | 25.28 | -25.92 | 38.40 |
| 19. BORL, Bina | 195.500 | 569.505 | 453.286 | 558.416 | 2567.750 | 3341.614 | 2949.223 | 25.64 | 13.30 | 191.31 |
| 20. HMEL, GGSR, Bhatinda | 873.900 | 910.512 | 728.088 | 791.572 | 3461.900 | 2650.317 | 5139.160 | 25.06 | -48.43 | 4.19 |
| C. Private Sector | 7759.264 | 8179.103 | 7828.221 | 8299.196 | 46742.850 | 48183.048 | 47138.627 | 4.48 | 2.22 | 5.41 |
| 21. RIL, Jamnagar | 2712.474 | 2876.288 | 2712.475 | 2881.130 | 16694.884 | 16405.379 | 16694.887 | 6.04 | -1.73 | 6.04 |
| 22. RIL, SEZ | 3415.406 | 3692.056 | 3415.406 | 3687.932 | 20313.344 | 21856.518 | 20313.345 | 8.10 | 7.60 | 8.10 |
| Total RIL | 6127.880 | 6568.344 | 6127.881 | 6569.062 | 37008.228 | 38261.897 | 37008.232 | 7.19 | 3.39 | 7.19 |
| 23. EOL, Vadinar | 1631.383 | 1610.759 | 1700.340 | 1730.134 | 9734.622 | 9921.151 | 10130.395 | -5.27 | -2.07 | -1.26 |
| TOTAL(A+B+C) | 19249.007 | 20398.026 | 18898.222 | 20194.053 | 114585.927 | 120426.236 | 118075.803 | 7.94 | 1.99 | 5.97 |
| II. Fractionators | | | | | | | | | | |
| ONGC | 274.922 | 267.795 | 249.794 | 276.535 | 1677.994 | 1598.674 | 1511.869 | 7.21 | 5.74 | -2.59 |
| OIL | 2.900 | 2.968 | 2.780 | 3.175 | 13.300 | 14.681 | 16.472 | 6.76 | -10.87 | 2.34 |
| GAIL | 80.175 | 111.047 | 90.859 | 110.748 | 489.069 | 626.077 | 536.132 | 22.22 | 16.78 | 38.51 |
| D. Total Fractionators | 357.997 | 381.810 | 343.433 | 390.458 | 2180.363 | 2239.432 | 2064.473 | 11.17 | 8.47 | 6.65 |
| Grand Total (A+B+C+D) | 19607.004 | 20779.836 | 19241.656 | 20584.511 | 116766.290 | 122665.668 | 120140.275 | 7.99 | 2.10 | 5.98 |

Note: Totals may not tally due to rounding off figures.

*: Provisional.

** : Revised