



Petroleum Planning & Analysis Cell

Monthly Report on Natural gas production, availability and consumption - December, 2016

1. Highlights of the report for the month of December, 2016 are as follows:

- Gross production for the month of December 2016 was 2736.81 MMSCM which was almost the same as the corresponding month of the previous year.
- Total import of LNG for the month of December 2016 was 1902.86 MMSCM which was decreased by 2.91 % over the corresponding month of the previous year.
- Total consumption for the month of December 2016 was 4052.25 MMSCM which was an increase of approximately 1.62 % over the corresponding month of the previous year.
- Total consumption by fertilizer, power, petrochemicals, sponge iron, refinery and other sectors for the month of December 2016 was 140.61 MMSCMD.

2. Natural Gas production

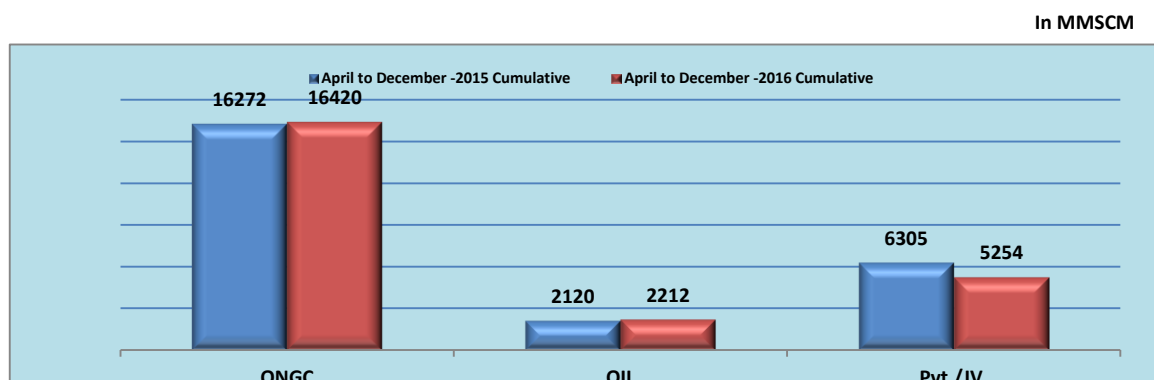
NG Producing Company	Qty.in MMSCM				
	December (Month)		April to December (Cumulative)		
	2015-16(P)	2016-17(P)	2015-16(P)	2016-17 (P)	Change %
ONGC	1818.98	1926.75	16272.13	16420.24	0.91%
OIL	266.10	246.50	2120.06	2211.56	4.32%
Pvt./ JVs	651.89	563.56	6304.94	5253.54	-16.68%
Total	2736.97	2736.81	24697.13	23885.34	-3.29%

Note : Figures are provisional.

- Source: Oil and Gas producing companies and DGH
- MMSCM: Million Standard Cubic Meter

2.1 Gross production for the month of December, 2016 was 2736.81 MMSCM which was almost the same as the corresponding month of the previous year.

2.2 Domestic natural gas production was lower by 3.29 % for the current financial year up to December, 2016 in comparison to the corresponding period of the previous year.



ONGC

ONGC's natural gas production in December, 2016 was 1926.75 MMSCM, which was higher by 107.77 MMSCM (5.92%) as compared to the corresponding month of the previous year.

OIL

OIL's natural gas production in December, 2016 was 246.50 MMSCM which was lower by 19.60 MMSCM (7.37%) as compared to the corresponding month of the previous year. The reason for lower production was decline in production potential in a few high producing gas wells due to unexpected subsurface problems like water and sand ingress.

Private/JV fields

Natural gas production under Pvt./JV fields in December, 2016 had decreased to 563.56 MMSCM from 651.89 MMSCM (13.55%) in comparison to the corresponding month of the previous year. There was production fall in Krishna Godavari D6 block (KGD6), M&S Tapti, Ravva, RJ-ON-6 and RJ-ON-90/1 fields. However there was also increase in production in Raniganj east and south, KG-OSN-2001/3, Panna-Mukta and CB-OS/2 fields compared to the corresponding month of the previous year.

3. Natural Gas net availability

Natural Gas producing companies use some quantity of gas for their own use as internal consumption while some quantity of gas is flared as a part of technical requirement. After flare, loss and internal consumption by gas producing companies, the net availability of gas for other value added products like fertilizer, petrochemicals, CGD, refinery etc. and for fuel was approximately 78.26 % of the gross production during April-December, 2016.

Qty. in MMSCM					
NG producing Company	December (Month)		April to December (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
ONGC	1394.26	1508.24	12402.67	12637.14	1.89%
OIL	224.18	200.83	1719.22	1820.85	5.91%
Pvt./ JVs.	540.87	440.32	5296.77	4230.32	-20.13%
Total	2159.29	2149.39	19418.65	18692.09	-3.76%

Note : Figures are provisional.

- Source: Oil and Gas producing companies and DGH
- MMSCM: Million Standard Cubic Meter.

3.1 Natural Gas net availability was lower by 0.46% in December, 2016 in comparison to the corresponding period of the previous year.

4. LNG imports

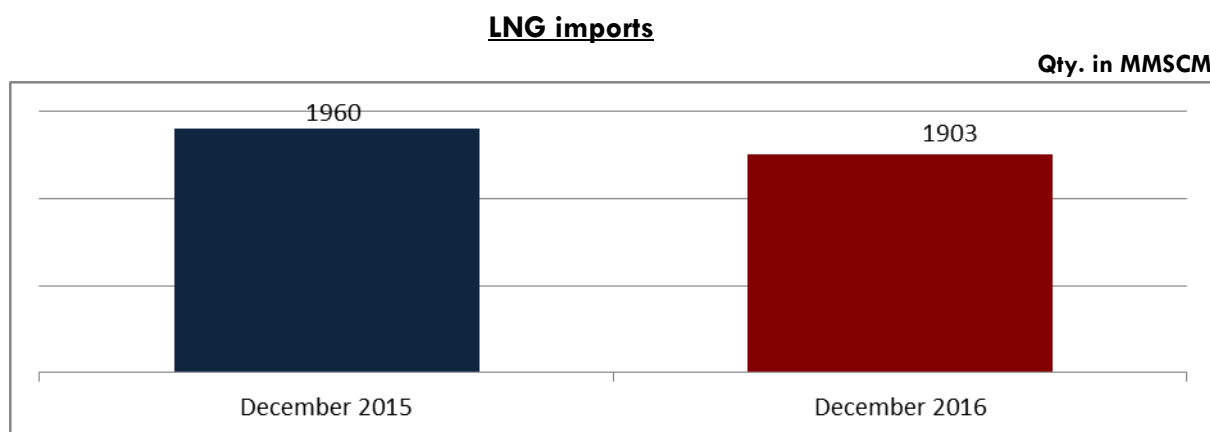
LNG is procured by Petronet LNG Ltd., GAIL (India) Ltd., Gujarat State Petroleum Corporation Ltd., Reliance Industries Ltd., Hazira LNG Pvt. Ltd., Indian Oil Corporation Ltd., Torrent Power Ltd. and Bharat Petroleum Corporation Ltd.

Qty. in MMSCM					
Total LNG import	December (Month)		April to December (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
	1959.86	1902.86	15636.64	18755.28	19.94%

Note : Figures are provisional

Source: LNG importing companies

- 4.1 Overall LNG imports increased by 3118.64 MMSCM in the current financial year up to December, 2016 which was 19.94% higher as compared to the corresponding period of the previous year.
- 4.2 LNG imports decreased by 57.00 MMSCM in December, 2016 which was 2.91% lower as compared to the corresponding period of the previous year.
- 4.3 75.29% of the total LNG import in December, 2016 was from Qatar, 9.05% from Singapore, 4.41% from Brazil, 4.26% from Nigeria, 3.99% from Spain and 3% from USA.



5. Natural Gas consumption

Qty. in MMSCM					
	December (Month)		April to December (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17 (P)	Change %
Net Natural gas production for sale (excluding flare, loss & internal consumption)	2159.29	2149.39	19418.65	18688.31	-3.76%
LNG import	1959.86	1902.86	15636.64	18755.28	19.94%
Total Natural gas consumption (Net NG production + LNG import)	4119.15	4052.25	35055.29	37443.59	6.81%

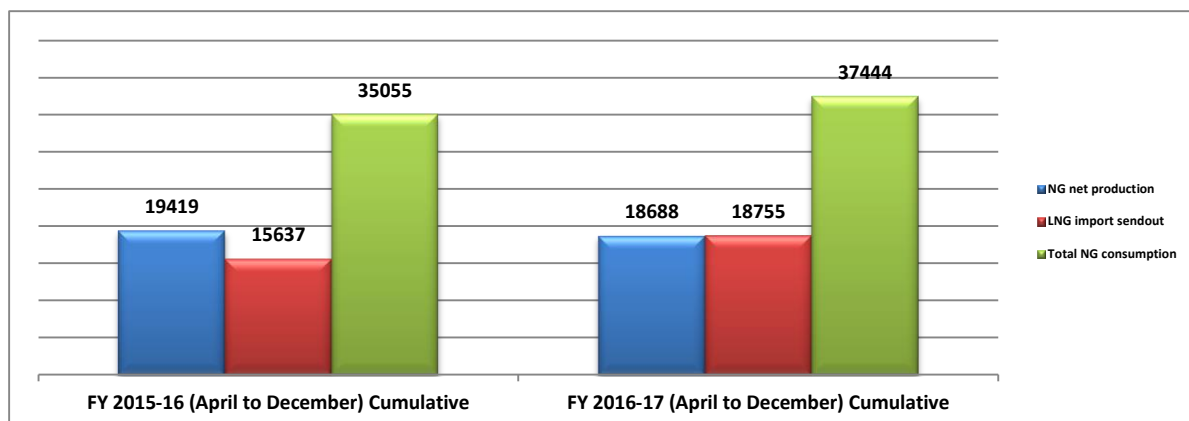
Note: Figures are provisional

Source: Oil and Gas producing companies, DGH and LNG importing companies.

- 5.1 Total natural gas consumption (net production of domestic gas + LNG import) was higher by 6.81% for the current financial year up to December, 2016 in comparison to the corresponding period of the previous year.
- 5.2 Total natural gas consumption (net production of domestic gas + LNG import) for the month of December, 2016 decreased by 66.90 MMSCM (1.62%) in comparison to the corresponding month of the previous year.

Natural Gas Consumption

Qty. in MMSCM



6. Sectoral Demand and Consumption of Natural Gas

Sector	Sectoral demand 2016-17*	Qty. in MMSCMD		
		Domestic gas consumption December, 2016	R-LNG consumption December, 2016	Total Consumption (Domestic gas+ R-LNG) December, 2016
Fertilizer	113	19.87	22.09	41.97
Power	207	24.61	5.91	30.52
City Gas	46	11.88	9.14	21.02
Industrial	27	0.52	2.48	3.00
Petrochem/ Refineries/ Internal consumption/LPG Shrinkage/ manufacture/ Miscellaneous	72	7.87	33.00	40.87
Sponge Iron/Steel	8	0.46	2.78	3.23
Total	473	65.21	75.40	140.61
*Source : Report of the Working Group on Petroleum and Natural Gas Sector for the 12 th Five Year Plan for Sectoral Demand.				

- Note : Consumption figures of some sectors have been grouped for comparison purpose.

It may be seen that against a projected consolidated demand of 473 MMSCMD for the year 2016-17 the actual consumption in the month of December, 2016 was 140.61 MMSCMD.
