



Petroleum Planning & Analysis Cell

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

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

- Gross production for the month of November 2016 was 2669.88 MMSCM which was a decrease of 1.71 % over the corresponding month of the previous year.
- Total import of LNG for the month of November 2016 was 2019.40 MMSCM which increased by 15.47 % over the corresponding month of the previous year.
- Total consumption for the month of November 2016 was 4128.91 MMSCM which was an increase of approximately 5.91 % over the corresponding month of the previous year.
- Total consumption by fertilizer, power, petrochemicals, sponge iron, refinery and other sectors for the month of November 2016 was 143.52 MMSCMD.

2. Natural Gas production

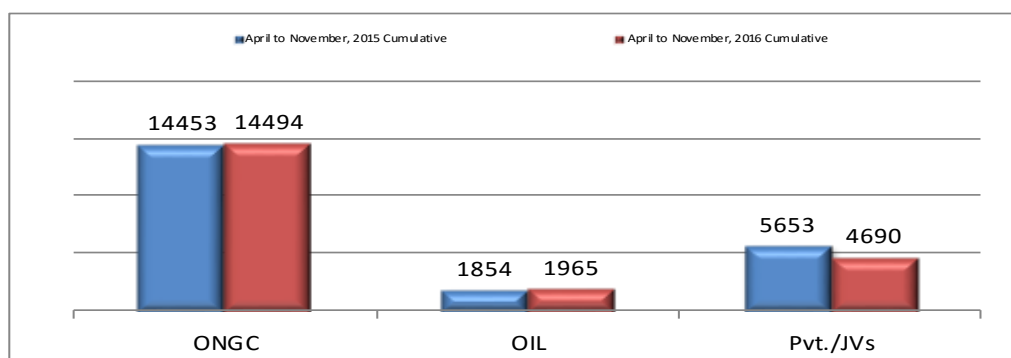
NG Producing Company	November (Month)		April to November (Cumulative)		
	2015-16(P)	2016-17(P)	2015-16(P)	2016-17 (P)	Change %
ONGC	1776.83	1866.93	14453.15	14493.50	0.28%
OIL	255.66	244.91	1853.96	1965.06	5.99%
Pvt./ JVs	683.82	558.04	5653.05	4689.98	-17.04%
Total	2716.31	2669.88	21960.16	21148.54	-3.70%

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 November, 2016 was 2669.88 MMSCM which was a decrease of 1.71 % over the corresponding month of the previous year.

2.2 Domestic natural gas production was lower by 3.70 % for the current financial year up to November, 2016 in comparison to the corresponding period of the previous year.



ONGC

ONGC's natural gas production in November, 2016 was 1866.93 MMSCM, which was higher by 90.10 MMSCM (5.07%) as compared to the corresponding month of the previous year.

OIL

OIL's natural gas production in November, 2016 was 244.91 MMSCM which was lower by 10.75 MMSCM (4.20%) 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 November, 2016 had decreased to 558.04 MMSCM from 683.82 MMSCM (18.39%) in comparison to the corresponding month of the previous year. There was production fall in Krishna Godavari D6 block (KGD6), M&S Tapti, Panna-Mukta, 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 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 78.2 % of the gross production during April-November, 2016.

Qty. in MMSCM					
NG producing Company	November (Month)		April to November (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
ONGC	1359.71	1465.97	11008.43	11128.90	1.09%
OIL	215.19	200.33	1495.03	1620.02	8.36%
Pvt./ JVs.	574.89	443.22	4755.89	3790.00	-20.31%
Total	2149.79	2109.51	17259.36	16538.91	-4.17%

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 1.87% in November, 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	November (Month)		April to November (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
	1748.78	2019.40	13676.79	16852.43	23.22%

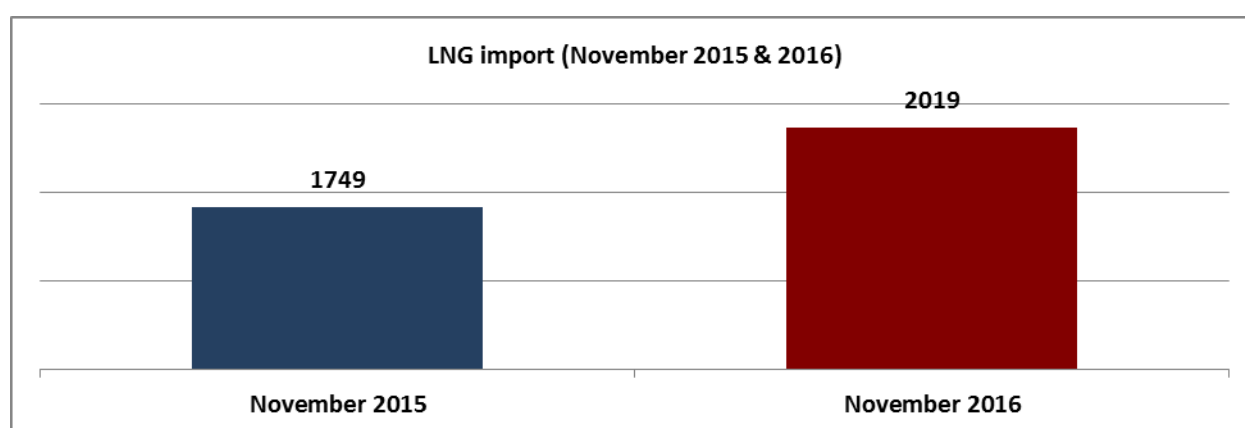
Note : Figures are provisional

Source: LNG importing companies

- 4.1 Overall LNG imports increased by 3175.64 MMSCM in the current financial year up to November, 2016 which was 23.22% higher as compared to the corresponding period of the previous year.
- 4.2 LNG imports increased by 270.62 MMSCM in November, 2016 which was 15.47% higher as compared to the corresponding period of the previous year.
- 4.3 51.93% of the total LNG import in November, 2016 was from Qatar, 8.61% from Angola, 8.17% from Equatorial Guinea, 7.8% from Singapore, 7.65% from Trinidad & Tobago, 4.14% from Australia, 3.97% from Nigeria, 3.93% from UAE and 3.81% from Spain.

LNG imports

Qty. in MMSCM



5. Natural Gas consumption

Qty. in MMSCM					
	November (Month)		April to November (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)	2149.79	2109.51	17259.36	16538.91	-4.17%
LNG import	1748.78	2019.40	13676.79	16852.43	23.22%
Total Natural gas consumption (Net NG production + LNG import)	3898.57	4128.91	30936.15	33391.34	7.94%
<i>Note: Figures are provisional</i>					

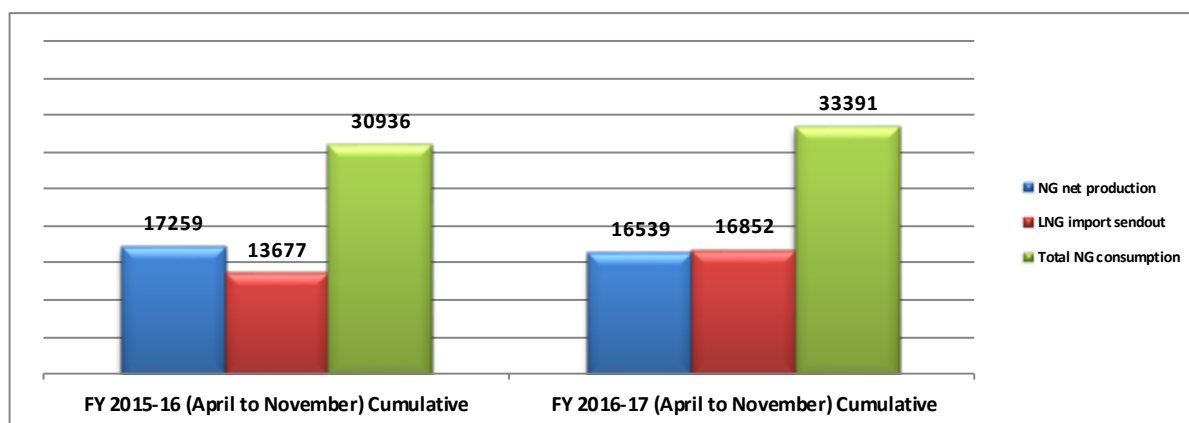
Source: Oil and Gas producing companies, DGH and LNG importing companies.

- 5.1 Total natural gas consumption (net production of domestic gas + LNG import) was higher by 7.94% for the current financial year up to November, 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 November, 2016 increased by 230.34 MMSCM (5.91%) in comparison to the corresponding month of the previous year.

Natural Gas Consumption

Qty. in MMSCM



6. Sectoral Demand and Consumption of Natural Gas

Qty. in MMSCMD

Sector	Sectoral demand 2016-17*	Domestic gas consumption November, 2016	R-LNG consumption November, 2016	Total Consumption (Domestic gas+ R-LNG) November, 2016
Fertilizer	113	21.13	23.08	44.21
Power	207	25.72	5.86	31.59
City Gas	46	11.66	8.71	20.38
Industrial	27	0.47	1.80	2.27
Petrochem/ Refineries/ Internal consumption/LPG Shrinkage/ manufacture/ Miscellaneous	72	9.67	32.20	41.86
Sponge Iron/Steel	8	0.69	2.52	3.21
Total	473	69.34	74.17	143.52
*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 consolidated demand of 473 MMSCMD for the year 2016-17 the actual consumption in the month of November, 2016 was 143.52 MMSCMD.
