



Petroleum Planning & Analysis Cell

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

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

- Gross production for the month of October 2016 was 2755.12 MMSCM which was a decrease of 1.43 % over the corresponding month of the previous year.
- Total import of LNG for the month of October 2016 was 2262.39 MMSCM which increased by 18.60 % over the corresponding month of the previous year.
- Total consumption for the month of October 2016 was 4431.10 MMSCM which was an increase of approximately 7.77 % over the corresponding month of the previous year.
- Total consumption by fertilizer, power, petrochemicals, sponge iron, refinery and other sectors for the month of October 2016 was 139.57 MMSCMD.

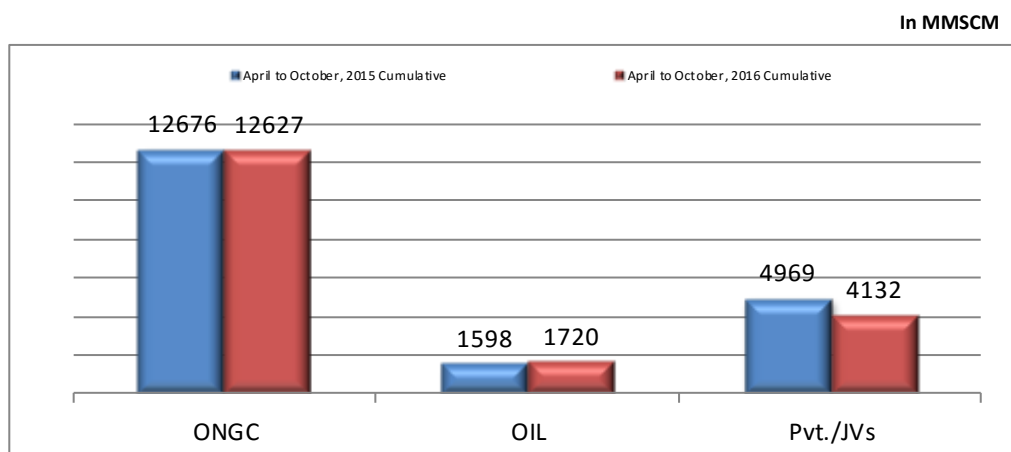
2. Natural Gas production

NG Producing Company	Qty.in MMSCM				
	October (Month)		April to October (Cumulative)		
	2015-16(P)	2016-17(P)	2015-16(P)	2016-17 (P)	Change %
ONGC	1838.43	1943.02	12676.32	12626.58	-0.39%
OIL	254.33	245.78	1598.30	1720.15	7.62%
Pvt./ JVs	702.25	566.32	4969.23	4131.93	-16.85%
Total	2795.01	2755.12	19243.85	18478.66	-3.98%

Note : Figures are provisional.

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

2.1 Domestic natural gas production was lower by 3.98 % for the current financial year up to October, 2016 in comparison to the corresponding period of the previous year.



ONGC

ONGC's natural gas production in October, 2016 was 1943.02 MMSCM, which was higher by 104.59 MMSCM (5.69%) as compared to the corresponding month of the previous year.

OIL

OIL's natural gas production in October, 2016 was 245.78 MMSCM which was lower by 8.55 MMSCM (3.36%) as compared to the corresponding month of the previous year. The reasons 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 and lower offtake of gas by consumers due to unplanned shutdown.

Private/JV fields

Natural gas production under Pvt./JV fields in October, 2016 had decreased to 566.32 MMSCM from 702.25 MMSCM (19.36%) 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 and RJ-ON-6 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 78.09% of the gross production.

Qty. in MMSCM					
NG producing Company	October (Month)		April to October (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
ONGC	1404.96	1519.59	9648.73	9663.05	0.15%
OIL	213.05	199.92	1279.85	1419.68	10.93%
Pvt./ JVs.	585.97	449.20	4181.00	3346.78	-19.95%
Total	2203.98	2168.71	15109.57	14429.51	-4.50%

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 1.60% in October, 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 and Torrent Power Ltd.

Qty. in MMSCM					
Total LNG import	October (Month)		April to October (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
	1907.65	2262.39	11928.01	14914.61	25.04%

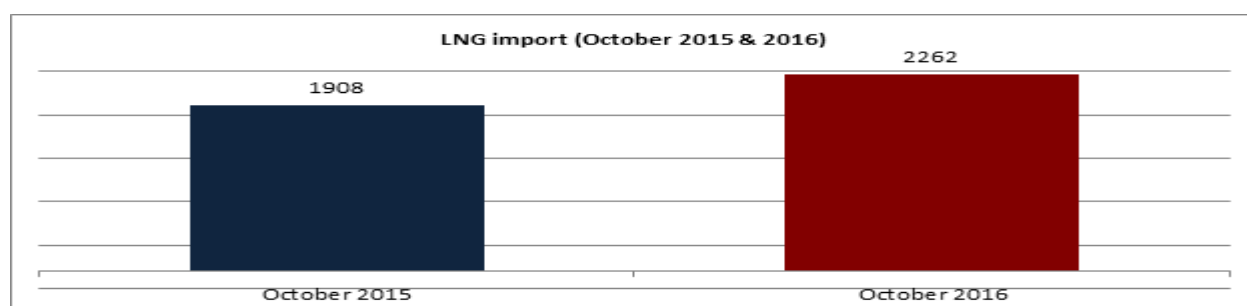
Note : Figures are provisional

Source: LNG importing companies

- 4.1 Overall LNG imports increased by 2986.60 MMSCM in the current financial year up to October, 2016 which was 25.04% higher as compared to the corresponding period of the previous year.
- 4.2 LNG imports increased by 354.74 MMSCM in October, 2016 which was 18.60% higher as compared to the corresponding period of the previous year.
- 4.3 Around 50% of the total LNG import in October, 2016 was from Qatar, 10.71% from Singapore, 7.14% each from Nigeria, Spain, Trinidad & Tobago and Equatorial Guinea and 3.57% each from Angola, Malaysia and Belgium.

LNG imports

Qty. in MMSCM



5. Natural Gas consumption

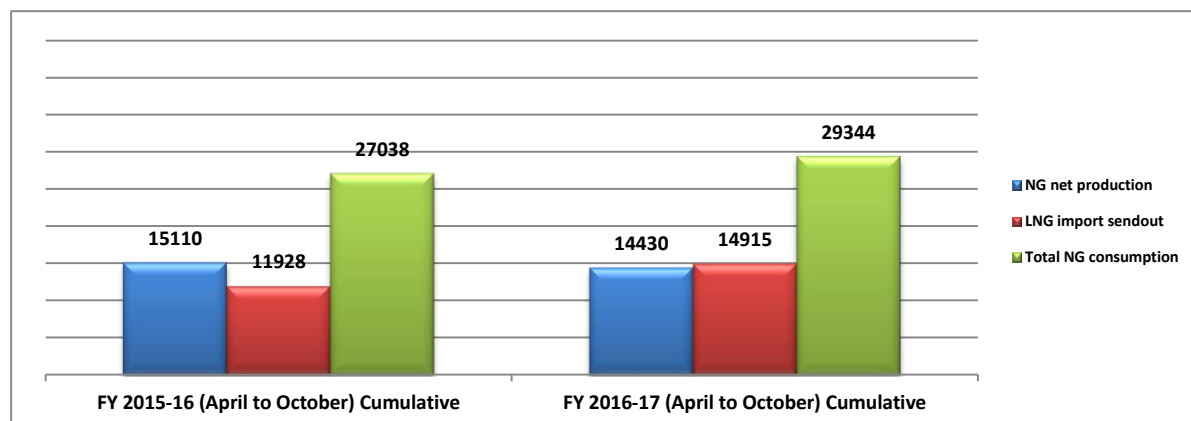
Qty. in MMSCM					
	October (Month)		April to October (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17 (P)	Change %
Net Natural gas production for sale (excluding flare, loss & internal consumption)	2203.98	2168.71	15109.57	14429.51	-4.50%
LNG import	1907.65	2262.39	11928.01	14914.61	25.04%
Total Natural gas consumption (Net NG production + LNG import)	4111.63	4431.10	27037.58	29344.12	8.53%
<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 8.53% for the current financial year up to October, 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 October, 2016 increased by 319.47 MMSCM (7.77%) 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 October, 2016	R-LNG consumption October, 2016	Total Consumption (Domestic gas+ R-LNG) October, 2016
Fertilizer	113	20.76	21.60	42.36
Power	207	25.23	5.98	31.21
City Gas	46	11.77	9.10	20.88
Industrial	27	0.47	1.41	1.89
Petrochem/ Refineries/ Internal consumption/LPG Shrinkage/ manufacture/ Miscellaneous	72	10.89	29.20	40.08
Sponge Iron/Steel	8	1.27	1.89	3.15
Total	473	70.39	69.18	139.57

*Source : Report of the Working Group on Petroleum and Natural Gas Sector for the 12th 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 October, 2016 was 139.57 MMSCMD.
