



# Petroleum Planning & Analysis Cell

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

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

- Gross production for the month of May 2016 was 2656.09 MMSCM which was decrease by 6.88 % over the corresponding month of the previous year.
- Total import of LNG for the month of May 2016 was 2081.67 MMSCM which was an increase of 43.37 % over the corresponding month of the previous year.
- Total consumption for the month of May 2016 was 4153.32 MMSCM which was increase of approximately 12.27 % over the corresponding month of the previous year.
- Total consumption by fertilizer, power, petrochemicals, sponge iron, refinery and other sectors for the month of May 2016 was 137.28 MMSCMD.

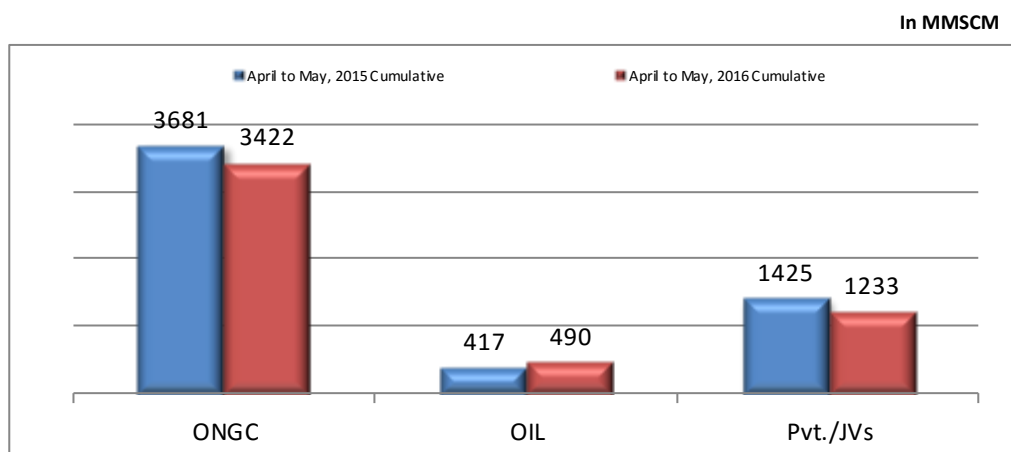
## 2. Natural Gas production

NG Producing Company	Qty.in MMSCM				
	May (Month)		April to May, 2016 (Cumulative)		
	2015-16(P)	2016-17(P)	2015-16(P)	2016-17 (P)	Change %
<b>ONGC</b>	1898.68	1790.76	3680.88	3421.71	-7.04%
<b>OIL</b>	221.79	239.12	416.60	489.47	17.49%
<b>Pvt./ JVs</b>	731.94	626.21	1425.46	1232.98	-13.50%
<b>Total</b>	<b>2852.41</b>	<b>2656.09</b>	<b>5522.94</b>	<b>5144.16</b>	<b>-6.86%</b>

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 6.86 % for the current financial year up to May, 2016 in comparison to the corresponding period of the previous year.



## ONGC

ONGC's natural gas production in May, 2016 was 1790.76 MMSCM, which was lower by 107.92 MMSCM (5.68%) as compared to the corresponding month of the previous year.

The reasons for shortfall in production were less production in Bassein field due to BPB shutdown for carrying out reconstruction activities under "Reconstruction of BPA & BPB Platforms" project. Closure of both the sub-sea wells of G1 field for carrying out tie-in works for hooking of well S2AB with G1 facilities in Eastern Offshore also contributed towards the lower production. There was also lower production in Cauvery asset due to closure of wells on account of less off-take by consumers GAIL / M/s TNEB. There was also shutdown for hook ups of GDUs in Kuthalam & Ramnad GCS and closure of 24 wells in Gandhar field in Ankleshwar on account of GAIL's pipeline shutdown.

## OIL

OIL's natural gas production in May, 2016 was 239.12 MMSCM which was higher by 17.32 MMSCM (7.81%) as compared to the corresponding month of the previous year.

## Private/JV fields

Natural gas production under Pvt./JV fields in May, 2016 had decreased to 626.21 MMSCM from 731.94 MMSCM (14.45%) in comparison to the corresponding month of the previous year. There was production fall in Krishna Godavari D6 block (KGD6), KG-OSN, M&S Tapti, Panna Mukta and Ravva fields. However there was also increase in production in RJ-ON-90/1, Raniganj east 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 77.73% of the gross production.

NG producing Company	Qty. in MMSCM				
	May (Month)		April to May, 2016 (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17(P)	Change %
ONGC	1449.00	1363.14	2811.30	2580.10	-8.22%
OIL	174.48	196.39	323.56	405.04	25.18%
Pvt./ JVs.	624.11	512.12	1211.34	1013.23	-16.35%
<b>Total</b>	<b>2247.59</b>	<b>2071.65</b>	<b>4346.20</b>	<b>3998.36</b>	<b>-8.00%</b>

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 8% in May, 2016 in comparison to the corresponding period of the previous year.
- 3.2 The reason for lower availability was mainly due to lower production of natural gas by domestic gas producing companies i.e. ONGC and Pvt./JV companies.

#### 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. and Indian Oil Corporation Ltd.

Qty. in MMSCM					
	May (Month)		April to May, 2016 (Cumulative) (P)		
<b>Total LNG import</b>	<b>1451.94</b>	<b>2081.67</b>	<b>2924.61</b>	<b>4223.70</b>	<b>44.42%</b>

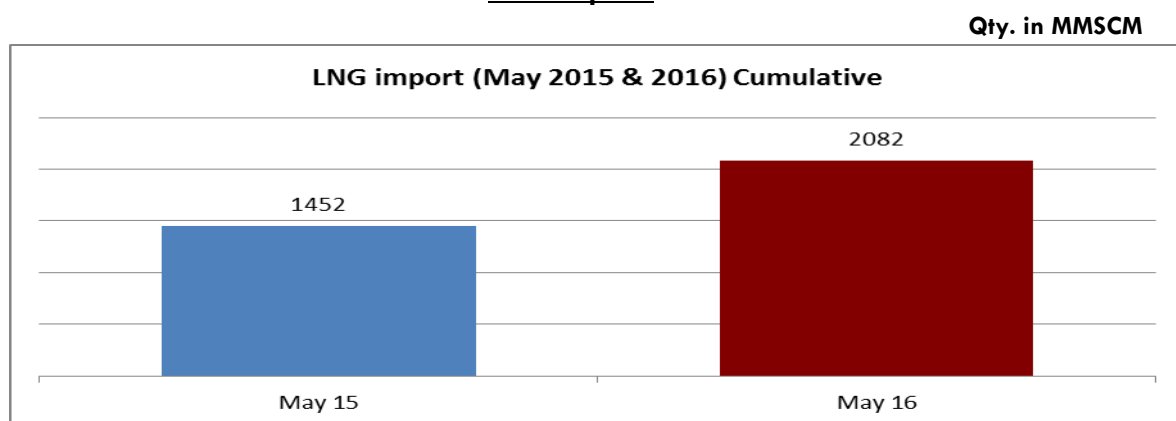
• Note : Current financial year figures are provisional

Source: LNG importing companies

4.1 LNG imports increased by 629.73 MMSCM in May, 2016 which was 43.37 % higher as compared to the corresponding period of the previous year.

4.2 Around 54% of the total LNG import in May, 2016 was from Qatar, 31% from Nigeria, 8% from Australia and 4% each from Oman and Equatorial Guinea.

#### LNG imports



#### 5. Natural Gas consumption

Qty. in MMSCM					
	May (Month)		April to May, 2016 (Cumulative)		
	2015-16(P)	2016-17 (P)	2015-16(P)	2016-17 (P)	Change %
<b>Net Natural gas production for sale (excluding flare, loss &amp; internal consumption)</b>	<b>2247.59</b>	<b>2071.65</b>	<b>4346.20</b>	<b>3998.36</b>	<b>-8.00%</b>
<b>LNG import</b>	<b>1451.94</b>	<b>2081.67</b>	<b>2924.61</b>	<b>4223.70</b>	<b>44.42%</b>
<b>Total Natural gas consumption (Net NG production + LNG import)</b>	<b>3699.53</b>	<b>4153.32</b>	<b>7270.81</b>	<b>8222.06</b>	<b>13.08%</b>

Note: Figures are provisional

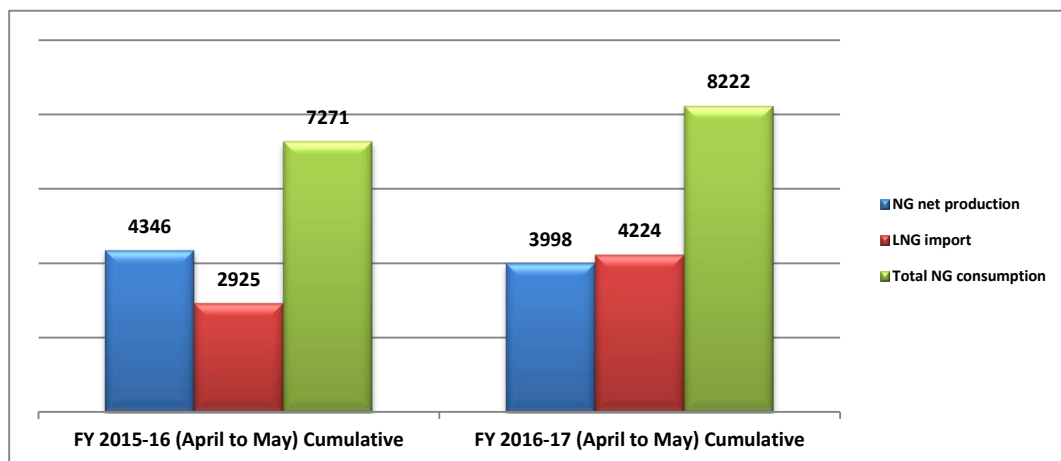
Source: Oil and Gas producing companies, DGH and LNG importing companies.

5.1 Total natural gas consumption (i.e.net production for sale + LNG import) was higher by 13.08 % for the current financial year up to May, 2016 in comparison to the corresponding period of the previous year.

5.2 Total natural gas consumption (i.e.net production + LNG import) for the month of May, 2016 increased by 453.79 MMSCM (12.27%) 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 May, 2016	R-LNG consumption May, 2016	Total Consumption (Domestic gas+ R-LNG) May, 2016
Fertilizer	113	22.99	19.80	42.79
Power	207	25.86	5.78	31.63
City Gas	46	11.16	7.83	18.99
Industrial	27	0.54	0.74	1.27
Petrochem/ Refineries/ Internal consumption/LPG Shrinkage/ manufacture/ Miscellaneous	72	9.92	31.93	41.87
Sponge Iron/Steel	8	00	0.73	0.73
<b>Total</b>	<b>473</b>	<b>70.47</b>	<b>66.81</b>	<b>137.28</b>
*Source : Report of the Working Group on Petroleum and Natural Gas Sector for the 12 <sup>th</sup> 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 May, 2016 was 137.28 MMSCMD.

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