



## Petroleum Planning & Analysis Cell

### Monthly Report on Natural gas production, availability and consumption - December, 2015

#### 1. Highlights of the report for the month of December, 2015 are as follows:

- Gross production for the month of December 2015 was 2736.97 MMSCM which was a decrease by 6.1 % over the corresponding month of the previous year.
- Total import of LNG for the month of December 2015 was 2006.77 MMSCM which was an increase of 6.19 % over the corresponding month of the previous year.
- Total consumption for the month of December 2015 was 4166.06 MMSCM which was a decrease of approximately 0.08 % 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 2015 was 136.06 MMSCMD.

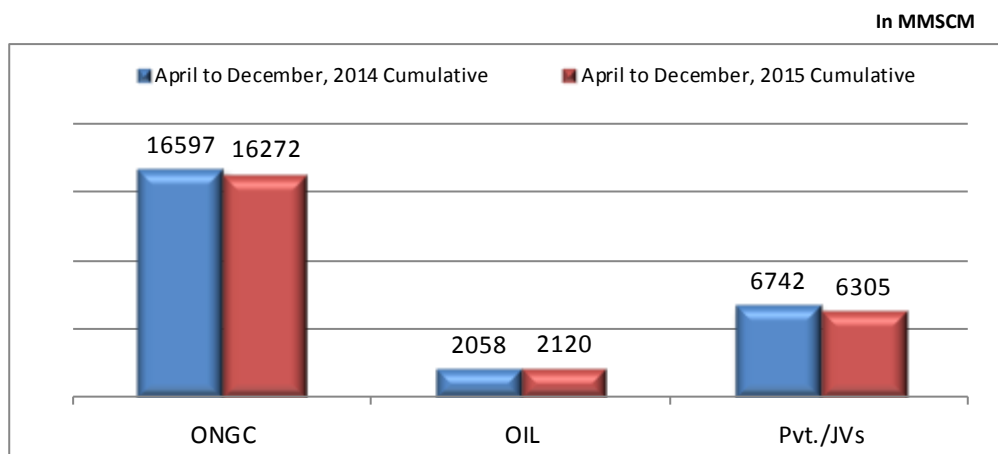
#### 2. Natural Gas production

NG Producing Company	December (Month)		April to December, 2015 (Cumulative)		
	2014-15	2015-16(P)	2014-15	2015-16 (P)	Change %
ONGC	1897.88	1818.98	16597.18	16272.13	-1.96%
OIL	232.08	266.10	2058.31	2120.06	3.00%
Pvt./ JVs	784.55	651.89	6741.90	6304.94	-6.48%
<b>Total</b>	<b>2914.51</b>	<b>2736.97</b>	<b>25397.39</b>	<b>24697.13</b>	<b>-2.76%</b>

Note : Current financial year 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 2.76 % for the current financial year up to December, 2015 in comparison to the corresponding period of the previous year.



## ONGC

ONGC's natural gas production in December, 2015 was 1818.98 MMSCM, which was lower by 78.9 MMSCM (4.16%) as compared to the corresponding month of the previous year.

The reasons for shortfall in production were less production in Bassein field due to lower production from new development wells/side track wells and decline in fields and boroscopic inspection and maintenance of compressors. Closure of wells due to unplanned shut down of GAIL's gas pipeline from Ahmedabad/Kalol to Ramol and decline in associated gas production in South Kadi and Gamij fields were also reasons for lower production along with closure of wells in Cauvery basin on account of less/ nil off-take by consumers in Ramnad area. Decline in associated gas production in Geleki and Lakwa fields were also the reasons for lower production.

## OIL

OIL's natural gas production in December, 2015 was 266.10 MMSCM which was higher by 34.02 MMSCM (14.66%) as compared to the corresponding month of the previous year.

### Private/JV fields

Natural gas production under Pvt./JV fields in December, 2015 had decreased to 651.89 MMSCM from 784.55 MMSCM (16.91%) in comparison to the corresponding month of the previous year. There was production fall in Krishna Godavari D6 block (KGD6), Panna-Mukta, M&S Tapti, CB-OS/2 and Ravva fields. However there was also increase in production of KG-OSN, RJ-ON-90/1, RJ-ON-6 and Raniganj east 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, the net availability of gas for other value added products like fertilizer, petrochemicals, CGD, refinery etc. and for fuel was approximately 78.63% of the gross production.

Qty. in MMSCM					
	December (Month)		April to December, 2015 (Cumulative)		
	2014-15	2015-16 (P)	2014-15	2015-16(P)	Change %
<b>Total Availability</b>	<b>2279.55</b>	<b>2159.29</b>	<b>20300.02</b>	<b>19418.65</b>	<b>-4.34%</b>

Note : Current financial year 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 4.34% for the current financial year up to December, 2015 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, OIL and Pvt./JVs 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					
	December (Month)		April to December, 2015 (Cumulative) (P)		
	2014-15	2015-16(P)	2014-15	2015-16(P)	Change %
<b>Total Import</b>	<b>1889.72</b>	<b>2006.77</b>	<b>14679.30</b>	<b>15895.64</b>	<b>8.29%</b>

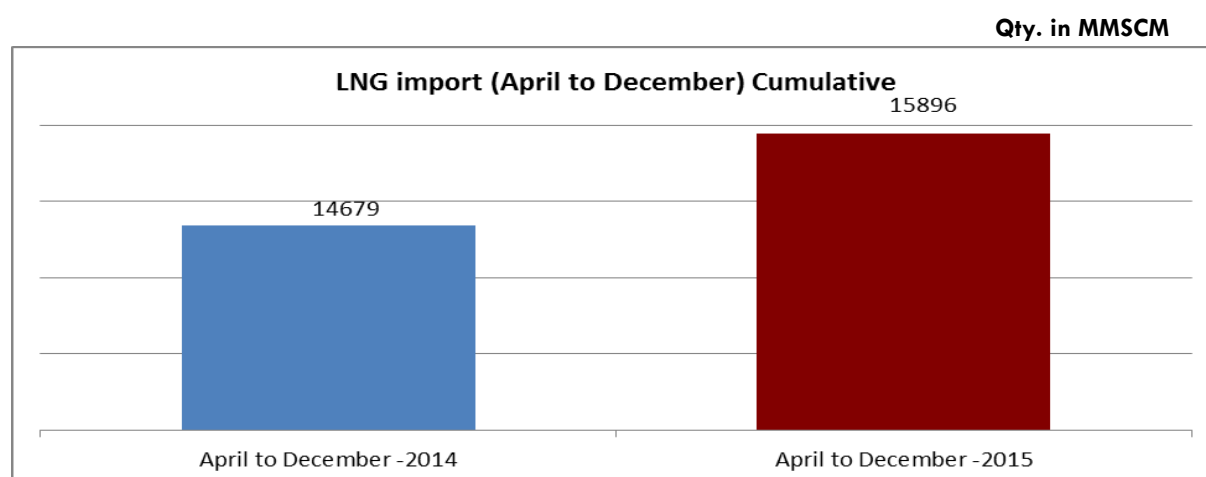
• Note : Current financial year figures are provisional

Source: LNG importing companies

4.1 The overall LNG imports increased by 1216.34 MMSCM in the current financial year up to December, 2015 which was 8.29 % higher as compared to the corresponding period of the previous year.

4.2 LNG import for the month of December, 2015 increased by 117.05 MMSCM (6.19%) in comparison to the corresponding month of the previous year.

#### LNG imports



#### 5. Natural Gas consumption

Qty. in MMSCM					
	December (Month)		April to December, 2015 (Cumulative)		
	2014-15	2015-16 (P)	2014-15	2015-16 (P)	Change %
<b>Net Natural gas production for sale (excluding flare, loss &amp; internal consumption)</b>	<b>2279.55</b>	<b>2159.29</b>	<b>20300.02</b>	<b>19418.65</b>	<b>-4.34%</b>
<b>LNG import</b>	<b>1889.72</b>	<b>2006.77</b>	<b>14679.30</b>	<b>15895.64</b>	<b>8.29%</b>
<b>Total Natural gas consumption (Net NG production + LNG import)</b>	<b>4169.27</b>	<b>4166.06</b>	<b>34979.32</b>	<b>35314.29</b>	<b>0.96%</b>

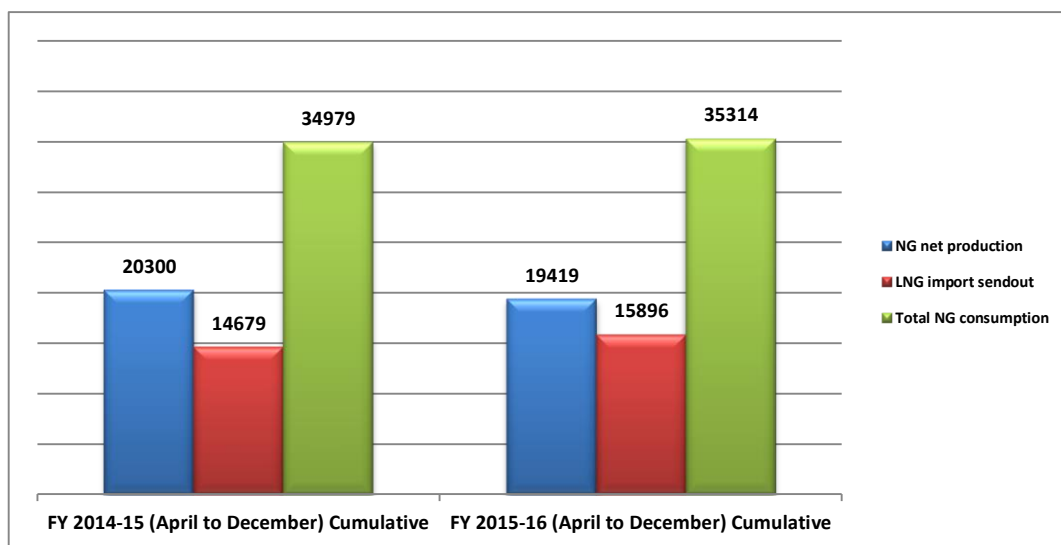
Note: Current financial year figures are provisional

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

- 5.1 Total natural gas consumption (net production + LNG import) was higher by 0.96 % for the current financial year up to December, 2015 in comparison to the corresponding period of the previous year.
- 5.2 Total natural gas consumption (net production + LNG import) for the month of December, 2015 decreased by 3.21 MMSCM (0.08%) 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 2015-16*	Domestic gas consumption in December, 2015	R-LNG consumption in December, 2015	Total Consumption (Domestic gas +R- LNG) in December, 2015
Fertilizer	113	26.72	19.63	46.35
Power	189	23.21	9.18	32.39
City Gas	39	9.09	6.15	15.25
Industrial	25	0.32	0.84	1.16
Petrochemicals/ Refineries/ Internal consumption/LPG Shrinkage/ Manufacture/ Miscellaneous	72	11.00	28.94	39.94
Sponge Iron/Steel	8	0.07	0.91	0.97
<b>Total</b>	<b>446</b>	<b>70.41</b>	<b>65.65</b>	<b>136.06</b>

\*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.*
- *Source: Oil and Gas producing/maketing companies, DGH and LNG importing companies*
- *MMSCMD: Million standard cubic meters per day*
- *Figures are provisional*

6.1 It may be seen that against a consolidated demand of 446 MMSCMD for the year 2015-16 the consumption for the month of December, 2015 was 136.06 MMSCMD.

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