

## Oil & Gas Production & Consumption Scenario in the Country:

The domestic crude oil & gas production in the country comes from Nomination Blocks/Fields under ONGC and OIL and from the discovered fields and producing Pre-NELP and NELP blocks under the Production Sharing Contract (**PSC**) regime.

- Crude oil production in 2015-16 was about 36.95 MMT.
  - The share of ONGC and OIL in crude oil production is about 69%.
  - Share of Private/JV companies in crude oil production is about 31%.
  - About 51.66% crude oil production is from offshore areas.
  - Rajasthan has the share of about 23.29% in crude oil production in the country.
- Natural gas production in 2015-16 was about 88.11 MMSCMD.
  - The share of ONGC and OIL in natural gas production is about 74.48%.
  - Share of Private/JV companies in natural gas production is about 25.52%
  - About 71.35% natural gas production is from offshore areas.
  - Assam is the highest gas producing state with production of 8.3 MMSMCD.

## State-wise Crude Oil Production Trends (Figures in Thousand Metric Tonnes)

State/Source	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Onshore</b>							
Andhra Pradesh	304	305	305	295	297	254	294.79
Arunachal Pradesh	131	116	118	120	111	68.88	57.33
Assam	4740	4,724	5,025	4,863	4,709	4,473	4185.13
Gujarat	5960	5,904	5,778	5,332	5,061	4,653	4460.92
Rajasthan	447	5,149	6,553	8,593	9,180	8,848	8601.59
Tamil Nadu	239	233	246	238	226	241	260.99
<b>Total Onshore</b>	<b>11821</b>	<b>16,431</b>	<b>18,025</b>	<b>19,441</b>	<b>19,584</b>	<b>18,538</b>	<b>17860.76</b>
Share of PSUs	11087	11,031	11,231	10,605	10,171	9,482	9050.980
Share of Private/JV	734	5,400	6,794	8,836	9,413	9,056	8809.78
<b>Offshore</b>							
Share of PSUs	17340	16,972	16,328	15,617	15,541	16,194	16542.95
Share of Private/JV	4529	4,282	3,733	2,804	2,663	2,729	2546.203
<b>Total Offshore</b>	<b>21869</b>	<b>21,254</b>	<b>20,061</b>	<b>18,421</b>	<b>18,204</b>	<b>18,923</b>	<b>19089.15</b>
<b>Grand Total</b>	<b>33690</b>	<b>37,685</b>	<b>38,086</b>	<b>37,862</b>	<b>37,788</b>	<b>37,461</b>	<b>36949.91</b>
Share of PSUs	28427	28003	27559	26222	25712	25676	25593.929
Share of Private/JV	5263	9682	10527	11640	12076	11785	11355.98
% Share of PSUs	84.38%	74.31%	72.36%	69.26%	68.04%	68.54%	69.27%
%Share of Private/JV	15.62%	25.69%	27.64%	30.74%	31.96%	31.46%	30.73%

## State-wise Natural Gas Production Trends (Figures in MMSCMD)

State/Source	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
<b>Onshore</b>							
Gujarat	6.7	6.2	6	5.6	4.5	4.2	4.1
Assam	7.4	7.4	8	8	7.9	8.1	8.3
Andhra Pradesh	4.1	3.8	3.7	3.4	3.2	1.5	1.7

Tamil Nadu	3.2	3.1	3.5	3.3	3.6	3.3	2.8
Tripura	1.5	1.7	1.8	1.8	2.3	3.1	3.6
Rajasthan	0.7	1.2	1.6	1.9	2.7	3.2	3.7
Arunachal Pradesh	0.1	0.1	0.1	0.1	0.1	0.1	0.1
CBM-WB, MP, Jharkhand	0.1	0.1	0.2	0.3	0.4	0.6	1.1
<b>Total Onshore</b>	<b>23.8</b>	<b>23.5</b>	<b>24.9</b>	<b>24.3</b>	<b>24.7</b>	<b>24.1</b>	<b>25.2</b>
Share of PSU	22	21.5	23	22.2	21.8	20.5	20.8
Share of Private/JV	1.7	2	1.9	2.2	2.9	3.6	4.5
<b>Offshore</b>							
Share of PSU	47.9	48.2	48.1	49.6	49.2	47.3	44.8
Share of Private/JV	58.5	71.4	57.3	37.5	23.1	20.8	18.0
<b>Total Offshore</b>	<b>106.4</b>	<b>119.6</b>	<b>105.4</b>	<b>87.1</b>	<b>72.3</b>	<b>68.1</b>	<b>62.9</b>
<b>Grand Total</b>	<b>130.2</b>	<b>143.1</b>	<b>130.3</b>	<b>111.4</b>	<b>97</b>	<b>92.2</b>	<b>88.1</b>
Share of PSUs	69.9	69.7	71.1	71.8	71	67.8	65.6
Share of Private/JV	60.2	73.4	59.2	39.7	26	24.4	22.5
% Share of PSUs	53.69%	48.71%	54.57%	64.45%	73.20%	73.54%	74.47%
%Share of Private/JV	46.24%	51.29%	45.43%	35.64%	26.80%	26.46%	25.53%

### Country Crude Oil Production in last 5 Years (MMT)

Year	2011-12	2012-13	2013-14	2014-15	2015-16
ONGC	23.71	22.56	22.24	22.26	22.37
OIL	3.85	3.66	3.466	3.41	3.22
PSC	10.53	11.64	12.08	11.78	11.36
<b>Total</b>	<b>38.09</b>	<b>37.86</b>	<b>37.79</b>	<b>37.46</b>	<b>36.95</b>
ONGC % Contribution	62.25%	59.59%	58.85%	59.42%	60.54%
OIL % Contribution	10.11%	9.67%	9.17%	9.10%	8.71%
<b>PSC % Contribution</b>	<b>27.65%</b>	<b>30.74%</b>	<b>31.97%</b>	<b>31.45%</b>	<b>30.74%</b>

### Country Natural Gas Production in last 5 Years ( BCM)

Year	2011-12	2012-13	2013-14	2014-15	2015-16
ONGC	23.316	23.548	23.284	22.02	21.18
OIL	2.633	2.642	2.626	2.72	2.84
PSC	21.609	14.49	9.497	8.91	8.23
<b>Total</b>	<b>47.558</b>	<b>40.68</b>	<b>35.41</b>	<b>33.66</b>	<b>32.25</b>
ONGC % Contribution	44.23%	49.03%	57.89%	65.76%	65.67%
OIL % Contribution	4.50%	5.54%	6.49%	7.42%	8.81%
<b>PSC % Contribution</b>	<b>51.27%</b>	<b>45.44%</b>	<b>35.62%</b>	<b>26.82%</b>	<b>25.52%</b>

### Bidding Round Type wise Crude Oil Production under PSC Regime during 2011-12 to 2015-16 (MMT)

Bidding Rounds Type	2011-12	2012-13	2013-14	2014-15	2015-16
Field Total (A)	2.94	2.38	2.2	2.22	2.06
Pre-NELP Total (B)	6.86	8.82	9.55	9.25	9.03
NELP Total (C)	0.73	0.44	0.32	0.31	0.26
Grand Total (A+B+C)	10.53	11.64	12.08	11.79	11.36
Bidding Rounds Type	2011-12	2012-13	2013-14	2014-15	2015-16
Field % Contribution	27.97%	20.47%	18.23%	18.80%	18.18%
Pre-NELP% Contribution	65.13%	75.74%	79.10%	78.50%	79.51%
NELP % Contribution	6.90%	3.78%	2.67%	2.70%	2.31%
Total	100.00%	100.00%	100.00%	100.00%	100.00%

### Bidding Round Type wise Gas Production under PSC Regime during 2011-12 to 2015-16 (MMSCM)

Bidding Rounds	2011-12	2012-13	2013-14	2014-15	2015-16
CBM Total (A)	84.19	107.24	165.518	228	392.88
Field Total (B)	5300.78	4231.37	3393.828	3022	2560.83
Pre-NELP Total (C)	579.42	622.14	886.215	1088	1204.39
NELP Total (D)	15644.58	9530.14	5051.526	4574	4076.54
Grand Total (A+B+C+D)	21608.97	14490.89	9497.087	8912	8234.64
Bidding Rounds	2011-12	2012-13	2013-14	2014-15	2015-16
CBM % Contribution	0.40%	0.70%	1.70%	2.60%	4.77%
Field % Contribution	24.50%	29.20%	35.70%	33.90%	31.10%
Pre-NELP% Contribution	2.70%	4.30%	9.30%	12.20%	14.63%
NELP % Contribution	72.40%	65.80%	53.20%	51.30%	49.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%

**Block/Field Wise Crude Oil Production under PSC Regime during 2011-12 to 2015-16 (Thousand Metric Tonnes)**

NELP/Pre-NELP/Field	FIELD_BLOCK	11-12	12-13	13-14	14-15	15-16
Field	ALLORA	0.06	0.08	0.31	0.09	0.28
	AMGURI	0.87	0.00	0.00	0.00	
	ASJOL	0.93	1.05	0.95	0.87	0.97
	BAKROL	16.45	13.56	11.87	14.61	17.98
	BHANDUT	0.20	0.00	0.00	0.00	0.00
	CAMBAY	0.62	0.49	0.55	0.84	0.56
	DHOLASAN	0.25	0.04	0.00	0.71	0.37
	DHOLKA	30.26	36.43	41.94	43.85	47.22
	HAZIRA	21.05	16.61	6.91	4.65	4.86
	INDRORA	0.58	0.87	1.05	0.91	1.78
	KANAWARA	1.87	2.06	5.20	6.39	3.98
	KARJISAN	0.00	0.00			
	KHARSANG	91.67	98.48	89.49	68.88	51.51
	LOHAR	8.61	8.61	9.83	8.79	6.24
	M&S TAPTI	107.08	64.89	33.88	26.51	16.08
	MODHERA			0.00	0.00	
	N.BALOL	0.00	0.00	0.00	0.00	0.00
	NORTH KATHANA	0.20	0.72	0.67	0.70	0.48
	OGNAJ	0.00	0.00			
	PANNA-MUKTA	1310.42	1057.15	956.80	932.09	886.85
	PY-1	4.58	4.93	1.93	2.46	1.65
	PY-3	49.69	0.00	0.00	0.00	0.00
	RAVVA	1340.35	1071.77	1035.54	1102.02	1019.33
SABARMATI	0.57	0.52	0.47	0.18	0.00	
SANGANPUR	0.07	0.16	0.09	0.08	0.08	
UNAWA	0.96	0.75	0.56	0.41	0.56	
WAVEL	6.51	3.83	3.70	3.37	3.31	
<b>Field Total (A)</b>		<b>2993.85</b>	<b>2382.98</b>	<b>2201.74</b>	<b>2218.39</b>	<b>2064.10</b>
Pre-NELP	CB-ON/2	4.72	3.88	3.84	3.14	10.31
	CB-ON/3	0.94	1.01	1.60	1.52	1.01
	CB-ON/7	8.34	7.81	6.33	5.70	5.41
	CB-OS/2	239.70	210.92	360.07	396.18	410.91
	RJ-ON/6	0.61	0.63	2.91	3.42	3.09
	RJ-ON-90/1	6552.12	8592.43	9177.24	8844.11	8598.50
<b>Pre-NELP Total (B)</b>		<b>6806.42</b>	<b>8816.68</b>	<b>9551.99</b>	<b>9254.08</b>	<b>9029.23</b>
NELP	CB-ONN-2000/1	45.34	46.09	48.05	40.47	38.28
	CB-ONN-2001/1					0.75
	CB-ONN-2002/1			0.00	0.00	0.13
	CB-ONN-2002/3		0.00	0.13	0.34	0.01
	CB-ONN-2003/2		0.00	0.15	1.63	3.37
	CB-ONN-2004/1				0.05	0.85
	CB-ONN-2004/2				0.06	0.95
	CY-ONN-2002/2					6.91
	KG-DWN-98/3	681.35	394.29	274.34	266.66	207.78
	KG-OSN-2001/3		0.00	0.00	3.55	3.61
<b>NELP Total (C)</b>		<b>726.69</b>	<b>440.39</b>	<b>322.68</b>	<b>312.76</b>	<b>262.66</b>
<b>Grand Total (A+B+C)</b>		<b>10526.96</b>	<b>11640.05</b>	<b>12076.41</b>	<b>11785.22</b>	<b>11355.98</b>

## Block/Field Wise Gas Production under PSC Regime during 2011-12 to 2015-16 (MMSCM)

NELP/Pre-NELP/Field	FIELD_BLOCK	11-12	12-13	13-14	14-15	15-16
<b>CBM</b>	JHARIA	3.56	2.95	3.38	2.48	2.04
	RANIGANJ EAST	9.07	12.83	35.36	91.33	236.50
	RANIGUNJ SOUTH	70.04	88.02	121.13	132.35	152.93
	SOHAGPUR EAST	0.38	2.24	4.50	0.57	0.02
	SOHAGPUR WEST	1.14	1.20	1.15	1.51	1.38
<b>CBM Total (A)</b>		<b>84.19</b>	<b>107.24</b>	<b>165.52</b>	<b>228.24</b>	<b>392.88</b>
	AMGURI	8.42	0.00	0.00	0.00	0.00
	BAKROL	9.34	9.24	6.92	7.10	8.35
	BAOLA	0.00	0.00	0.08	0.00	0.00
	BHANDUT	0.00	0.00	0.00	0.00	0.00
	CAMBAY	0.00	0.01	0.00	0.00	1.38
	DHOLKA	9.09	12.14	14.08	15.41	11.99
	HAZIRA	164.79	134.35	70.83	55.35	42.30
	INDRORA	0.03	0.04	0.05	0.04	0.10
	KANAWARA	3.20	2.16	3.54	6.61	10.11
	KHARSANG	21.58	21.84	22.45	21.63	18.08
	LOHAR	0.14	0.14	0.16	0.15	0.12
	M&S TAPTI	2166.71	1297.61	814.39	446.47	131.33
	N.BALOL	11.04	10.19	8.85	8.38	5.38
	PANNA-MUKTA	2133.17	2110.67	1952.98	2104.76	2049.51
	PY-1	139.67	118.31	49.77	31.62	21.91
	PY-3	13.50	0.00	0.00	0.00	0.00
	RAVVA	633.46	514.58	449.53	324.13	260.07
SANGANPUR	0.13	0.08	0.07	0.07	0.07	
UNAWA	0.00	0.00	0.11	0.07	0.12	
<b>Field Total (B)</b>		<b>5314.27</b>	<b>4231.37</b>	<b>3393.83</b>	<b>3021.79</b>	<b>2560.83</b>
<b>Pre-NELP</b>	CB-ON/2	2.36	3.67	6.34	6.94	8.69
	CB-ON/7	0.61	0.57	0.46	0.43	0.40
	CB-OS/2	211.92	142.24	110.96	109.82	68.43
	RJ-ON/6	63.19	72.11	228.92	365.35	427.51
	RJ-ON-90/1	287.84	403.55	539.53	605.68	699.36
<b>Pre-NELP Total (C)</b>		<b>565.93</b>	<b>622.14</b>	<b>886.22</b>	<b>1088.22</b>	<b>1204.39</b>
<b>NELP</b>	CB-ONN-2000/1	0.85	0.77	1.48	1.57	1.64
	CB-ONN-2000/2	32.32	12.84	0.00	0.00	0.00
	CB-ONN-2003/2	0.00	0.00	0.01	0.06	0.13
	CY-ONN-2002/2	0.00	0.00	0.00	0.00	0.62
	KG-DWN-98/3	15611.41	9516.53	5050.04	4461.91	3939.98
	KG-OSN-2001/3	0.00	0.00	0.00	110.16	134.17
<b>NELP Total (D)</b>		<b>15644.58</b>	<b>9530.14</b>	<b>5051.53</b>	<b>4573.70</b>	<b>4076.54</b>
<b>Grand Total (A+B+C+D)</b>		<b>21608.96</b>	<b>14490.88</b>	<b>9497.09</b>	<b>8911.95</b>	<b>8234.64</b>