

Annual Report
on
Gas Production and Consumption

FY 2013-14



HYDROCARBON UNIT

Energy and Mineral Resources Division
Ministry of Power, Energy and Mineral Resources

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1.0 Background:

First exploration in Bangladesh is recorded at the beginning of 1908. It was BOC (Burmah Oil Co). BOC conducted surface geological mapping in Chittagong area. During 1910 to 1914 exploratory wells were drilled in Sitakund and presence gas was recorded. These wells were drilled by BOC and IPPC (Indian Petroleum Prospecting Company). Due to First World War exploration activities ceased. After the 1st World exploration activities resumed and during 1923-33 two wells were drilled by BOC in Patharia structure in Baralekha. Bazar. Both the wells had oil and gas shows. After the Second World War due to political reason exploration activity remained suspended. However after end of World War II, due to political reason exploration activity remained suspended.

After Independence of India and Pakistan in 1947, exploration activities resumed in 1951. Pakistan Petroleum Limited (PPL), a subsidiary of Burmah Oil Company (BOC), started exploration in greater Sylhet area. This resulted in first discovery of gas in Sylhet (1951-55). Four years later in 1959 gas was discovered in Chattack. Pakistan Petroleum Limited (PPL) was the operator for of these two gas fields. Pakistan Shell Oil Company (PSOC), a subsidiary of Shell Oil started exploration and discovered gas in Rashidpur (1960), Titas (1962), Kailas Tila (1962) and Habiganj (1963).

Gas Production in this part of the world started in 1960-61 fiscal year when Sylhet and Chattack, both the gas fields were open for production. Production from Titas and Habiganj gas fields started in 1968. State participation in petroleum exploration started in 1960 when Oil & Gas Development Corporation was created with technical assistance from former Soviet Union. Semutang Gas Field was discovered in 1970-71.

After independence of Bangladesh, technical assistance from former USSR (former) reestablished and exploration activity picked up momentum. Begumganj, Feni, Kamta gas fields were discovered during this period. Offshore area of the country was awarded to international companies. During last decades new gas discoveries were made by both national and international companies. Updated estimate placed GIIP at 35.75 Tscf and reserve at 28.43 Tscf (Updated Report on Gas Reserve Estimation 2010, Gustavson Associates LLC, USA).

After independence offshore area was considered for exploration. Six East Pakistan companies were selected and these companies drilled several wells resulting in a small gas discovery. During second phase of offshore exploration resulted in discovery of a small gas pool. It was developed within a short time. However after operating for several years' production decline was observed. Due to low production rate, recently this field was shut down by the operator. Petrobangla is preparing for another off shore exploration bid round.

2.0 Summary:

Annual gas production report is based on gas and condensate production data received from gas production companies. Information on gas sales and purchase by the producers and distributors is collected from MIS report of Petrobangla. In 2013-14 fiscal year total production of gas logged 820.50 Bscf and daily average production was 2279.16 MMcfd is shown as Table No 2 Figure No 3,4 and Table No 3 Figure No 5,6. During the year well wise maximum daily gas production was 837 MMcfd and Well wise minimum gas production was 2 MMcfd. During the two Eid holidays gas consumption is significantly reduced. During the year some of the wells were shut down. At the same time a number of new wells were open for production. Rate of increase in production over the year was quite low. In 2012-13 fiscal year total gas production was 811 Bscf and daily average production 2222 MMcfd.

In 2013-14 increase of annual gas production was 9.50 Bscf and daily gas production in 2013-14 logged 2279.16 MMcfd. Total producing gas field was 20. Gas production is largely depended on Bibiyana, Titas, Jalalabad and Habiganj gas fields. This four gas fields provided 77.16 percent (1758.62 MMcfd) of total production is shown as Table No 1 and Figure No 1 and 2.

During the year 92 wells in 20 gas fields were flowing. However during the year a number of wells were shut down. On the other hand new wells were added to the production stream. At the end of the year 92 wells were flowing. During this year National Companies produced 400.80 Bscf gas from 61 wells which equals to 1113.34 MMcfd. Minimum gas production was recorded from Shahbazpur gas field (2 MMcfd). Srikail gas field was open for production in the middle of March, 2013. During the year average daily production from Srikail gas field was 42.77 MMcfd.

Chevron, Tullow Oil and Santos, these three international companies remained active during the period. IOCs production logged 439.60 Bscf which equals to 1221.11 MMcfd. At the beginning of the year IOCs production was below 1300 MMcfd and this gradually increased with in time and Sangu gas field is struggling and may shut down shortly. Howe this will bale little effect in gas production.

Report on annual gas production of this year 2013-14 is prepared using daily gas and condensate production data. Information on gas and condensate production was received from the gas production companies. Information on gas purchase and sales is collected from MIS report (June 2014) of Petrobangla.

In the current year four gas fields, Bibiyana, Titas, Jalalabad and Habiganj gas fields produced 633.10 Bscf gas and average gas production was 1758.62 MMcfd. Remaining 187.40 Bscf gas is produced by 16 gas fields which equals to 520.54 MMcfd

3.0 Gas Production :

3.1 National Gas Producing Companies

Three national and three international companies remain active in production of gas Well wise average daily gas production was 2279.16 MMcfd (820.50 Bscf). During this year increase in gas production was 9.50 Bscf (26.39 MMcfd). Cumulative production on 31 June 2014 logged 12.16 Tscf. Figure No 7 shows field wise condensate extraction in bbl/year. Field wise condensate recovery in bbl per day is shown as figure 8. Annual recovery of liquid (Condensate, Kerosene, Octane, NGL, MS and HSD) is shown as Table No 5 Figure No 9 & Figure No 10. Well wise minimum gas production was recorded at 2 MMcfd from Shahbazpur well 1. Maximum well wise production was recorded from Bibiyana well 1 at 110 MMcfd.

Out of total production national companies share was 1113.34 MMcfd. Total production of national companies during this year was 400.80 Bscf is shown as Table No 6 and Figure No 11 & 12. In the past year total production by national companies was 1013.88 MMcfd. 54 wells was open for production during the year.

During the year IOCs gas production logged 1221.11 MMcfd (439.60 Bscf). IOCs produced this volume of gas using 31 wells is shown as Table No 11 Figure No 22,23 and Table No 12 Figure No 24,25,26 & 27. During this year maximum gas production was recorded from Bibiyana Gas field. Table (Below) compares company wise gas production for 2013-14.

MMcfd	SGFL	BGFCL	BAPEX	Chevron	Tullow	Sangu	Total
2013-14	143.61	799.44	115.0	1113.33	106.94	0.834	2279.16

During the year maximum condensate recovery was 3290.71 bbl/day from Bibiyana gas field. Kailas Tila gas field occupied second position and daily condensate recovery was 743.04 bbl/day. Condensate recovery from Titas gas field was 395.07 bbl/day. In addition to condensate, NGL, Octane, Octane, Kerosene, HSD, and MS is recovered. Figure No 9 & 10 shows condensate recovery arranged according to volume. Table below shows

Table below shows volume of liquid products in 1000 liter from well stream.

FY	MS	HSD	NGL	Condensate	SKO	Octane
2013-14	96884.95	76648.32	27695.00	401857.13	30161.82	7232.10

Figure No 9 & 10 shows annual recovery of condensate, kerosene, octane, MS, HSD and NGL.

In 2013-14 fiscal year Bangladesh Petroleum Exploration and Production company (BAPEX) and two gas producing companies (BGFCL and SGFL) operating 15 gas fields in the country. During the year total production of national companies logged 380.90 Bscf, which equals to 1058.05 MMcfd. National companies produced through 61 wells i,e average well wise production was 17.35 MMcfd. Well wise maximum production was 22 MMcfd (Titas) and minimum production was 2.0 MMcfd. National companies produced is shown as Table No 6 Figure No 11 & 12 Table No 7 Figure No 13,14 & 15 and BAPEX field wise gas produced is shown as Table No 8 Figure No 16 & 17 BGFCL field wise gas produced is shown as Table No 9 Figure No 18 & 19 and SGFCL field wise gas produced is shown as Table No 10 Figure No 20 & 21 .

The national companies produced 380.90 Bscf gas. Average daily production was 1058.05 MMcfd. Production was obtained through 61 wells. Maximum well wise production was recorded from well 7 and well 10. Average gas flow rate was 41 MMcfd. 41 MMcfd from Habiganj well # 7 and 10.

3.1.1 Bangladesh Petroleum Exploration and Production Company Ltd. (BAPEX):

BAPEX is the Exploration and Production Company of Petrobangla. During the year this company operated six gas fields i.e. Shahbazpur, Salda, Fenchuganj, Semutang, Sundalpur and Srikail gas fields. Sundalpur and Srikail are two discoveries by BAPEX. Geologically Bangura and Srikail could be a single anticline. Some study may be considered. Figure No 16 shows annual gas production in pie graph. During the year the company produced 41.40 Bscf gas and daily average gas production rate of 115 MMcfd.

3.1.2 Fenchuganj Gas Field:

Fenchuganj Gas Field is the main gas producer of the company. During the year this field produced 14.10 Bscf gas and daily average gas production rate of 39.16 MMcfd. In addition to gas, from this field during the year 14478.54 liter condensate was recovered

3.1.3 Salda Nadi Gas Field:

During this year two wells were producing. During the year this field produced 5.60 Bscf gas and daily average gas production rate of 15.56 MMcfd. In addition to gas, from this field during the year 2168.76 liter condensate was recovered. Salda gas field is a small gas field. This gas field is producing for quite some time. During 2012-13 fiscal year this gas field showed indication of pressure decline. During this year this field produced at an average rate of 13.33 MMcfd.

3.1.4 Shahbazpur Gas Field:

Shahbazpur gas field is located in Shahbazpur i.e. Bhola island. Because of this gas supply is limited within the island. During the year this field produced 0.80 Bscf gas and daily average gas production rate of 2.22 MMcfd.

3.1.5 Semutang Gas Field:

This gas field was discovered in 1970-71 Oil & Gas Development Corporation. After independence the area, including the discovered gas pool was awarded Shell Oil. Shell drilled another well. Shell left the country as the reward was not attractive for them. This field was awarded to BAPEX. This well was completed as a gas producer in December 2011. During the year this field produced 2.70 Bscf gas and daily average gas production rate of 7.50 MMcfd. In addition to gas, from this field during the year 1885.23 litre condensate was also recovered.

3.1.6 Sundalpur Gas Field:

This gas field was discovered by BAPEX in 2011-12. In the same year this gas field was brought into production in March 2011-12. During the year this field produced 2.80 Bscf gas and daily average gas production rate of 7.78 MMcfd. In addition to gas, from this field during the year 103.35 litre condensate was also recovered.

3.1.7 Srikail Gas Field:

Srikail gas field was discovery of BAPEX. This field was brought into production in on 14 May, 2002. During the year this field produced 15.40 Bscf gas and daily average gas production rate of 42.77 MMcfd. In addition to gas, from this field during the year 24.66 thousand liter condensate was also recovered. It may be mentioned here that geologically Srikail is part of Bangura structure. Tulllow is producing from this structure. A joint study on Srikail and Bangura can be initiated for better understanding of the structure.

3.2.1 Bangladesh Gas Fields Company Ltd:

This is the second largest gas producer of the country. The company operates Titas, Habiganj, Bakhrabad, Narshingdi and Meghna gas fields. During the year this company produced 287.80 Bscf gas and daily average gas production rate of 799.44 MMcfd. In term of gas reserve, Titas is the largest gas field of the country. During the year 283.71 thousand liter condensate, 13343.39 thousand liter MS and 38097.52 thousand liter HSD was recovered. Figure No 18 shows field-wise gas production in 2013-14 and Figure No 19 shows field wise gas production in MMcfd.

3.2.2 Titas Gas Field:

Titas gas field is the largest gas field of the country and second largest gas producer. During the year this field produced 178.10 Bscf gas and daily average gas production rate 494.72 MMcfd. Well wise maximum production was 39 MMcfd and minimum production was recorded at 0.23 MMcfd (well 20). In addition to gas, from this field during the year 226.14 thousand liter condensate, 6510.45 thousand liter MS and 25026.59 thousand liter HSD was recovered.

3.2.3 Habiganj Gas Field:

Habiganj Gas Field is the third largest gas field of the country. During the year Habiganj field produced 81.50 Bscf gas and daily average gas production rate of 226.39 MMcfd. During the year production from well 1 and 2 was suspended due to water encroachment. It may be mentioned here that Habiganj reservoir is a strong water drive one. In such case recovery will be less than that of an expansion drive reservoir. In addition to gas, from this field during the year 6.42 thousand liter condensate was recovered.

3.2.4 Bakhrabad Gas Field:

During the year this field produced 14.20 Bscf gas and daily average gas production rate of 39.45 MMcfd. In addition to gas, from this field during the year 6832.94 thousand liter MS, 13070.93 thousand liter HSD and 8.46 thousand liter condensate was recovered.

3.2.5 Narshingdi:

During the year this field produced 10.50 Bscf gas and daily average gas production rate of 29.17 MMcfd. In addition to gas, from this field during the year 32.47 thousand liter condensate was recovered.

3.2.6 Meghna Gas Field:

During the year this field produced 3.50 Bscf gas and daily average gas production rate 9.72 MMcfd. Gas production rate was quite stable. In addition to gas, from this field during the year 10.22 thousand liter condensate was recovered.

3.3 Sylhet Gas Fields Ltd:

This company operates four gas fields. During the year 51.70 Bscf gas was produced by SGFL. Average daily gas production rate of 143.61 MMcfd. During the year 83541.56 thousand liter MS, 38550.80 thousand liter HSD, 27695 thousand liter NGL, 589.32 thousand liter condensate, 30161.82 thousand liter kerosene and 7232.10 thousand liter octane. Brief description of the gas

fields are provided below. It may be mention here that gas production stated in this part of the world from Sylhet gas field.

3.3.1 Kailas Tila gas field:

This is the main producer of SGFL. During the year this field produced 27.70 Bscf gas and average gas production rate of 76.94 MMcfd. During the year six wells were producing. In addition to gas, liquid product is also recovered. This gas field is quite wet and maximum recovery of liquid was achieved from this gas field. In addition to gas, from this field during the year 425.31 thousand liter condensate, 9799.93 thousand liter MS and 7757.18 thousand liter HSD was recovered.

3.3.2 Rashidpur Gas Field:

During the year this field produced 16.90 Bscf gas and average gas production rate of 46.94 MMcfd. In addition to gas, from this field during the year 31.89 thousand liter condensate was recovered.

3.3.3 Beani Bazar Gas Field:

During the year this field produced 3.60 Bscf gas and average gas production rate of 10.00 MMcfd. In addition to gas, from this field during the year 93.12 thousand liter condensate was recovered.

3.3.4 Sylhet Gas Field:

This is the oldest producing gas field of the country. Sylhet structure is known for first oil discovery of the country. During the year this field produced 3.50 Bscf gas and average gas production rate of 9.73 MMcfd. In addition to gas, from this field during the year 39.00 thousand liter condensate, 2715.90 thousand liter MS, 792.79 thousand liter kerosene was also recovered.

4.0 International Companies:

Chevron, Tullow and Santos are three international oil and gas companies (IOCs) operating in the country. During the year these three companies produced 439.60 Bscf gas. Average daily gas production rate of 1221.10 MMcfd. In average per well gas production of IOCs wells is much higher than that of the national companies. IOCs produce 1221.10 MMcfd using 31 wells. Average per well production of IOCs well is 39.39 MMcfd. Maximum production was 106 MMcfd from Bibiyana well 10. During the year 4485 thousand condensate was recovered by the IOCs. Average daily recovery of condensate was 12.3 thousand liter per day.

4.1 Chevron:

This company is the largest producer of gas of the country. Chevron operates three gas fields i.e. Bibiyana, Jalalabad and Moulavi Bazar. It may be mentioned that Bibiyana is the second largest

gas field of the country and it is also the largest gas producer of the country. During the year Chevron produced 400.80 Bscf gas and average daily production was 1113.33 MMcfd. In addition to gas, this company producer 2904.12 thousand liter condensate.

4.1.1 Bibiyana Gas field : During the year Bibiyana Gas field Produced 285.40 Bscf gas and average daily gas production rate of 792.78 MMcfd. In addition to gas, from this field during the year 1883.60 thousand liter condensate was also recovered.

4.1.2 Jalalabad Gas field: Jalalabad is the second gas field operated by Chevron. During the year Jalalabad gas field produced 88.10 and average daily gas production rate of 244.72 MMcfd. In addition to gas, from this field during the year 1014.68 thousand liter condensate was also recovered.

4.1.3 Moulavi Bazar gas field: During the year Moulavi Bazar gas field produced 27.30 and average daily gas production rate of 75.84 MMcfd. In addition to gas, from this field during the year 5.84 thousand liter condensate was also recovered.

4.2 Tullow

4.2.1 Bangura gas field: Tullow Oil operates Bangura gas field. During the year Bangura gas field produced 38.50 and average daily gas production rate of 106.94 MMcfd. In addition to gas, from this field during the year 168.68 thousand liter condensate was also recovered.

4.3 Santos

4.3.1 Sangu gas field: Sangu is the lone offshore gas field operated by Santos from Australia. During the year Sangu gas field produced 0.30 and average daily gas production rate of 0.83 MMcfd. Sangu gas field is struggling and may shut down to October 2013.

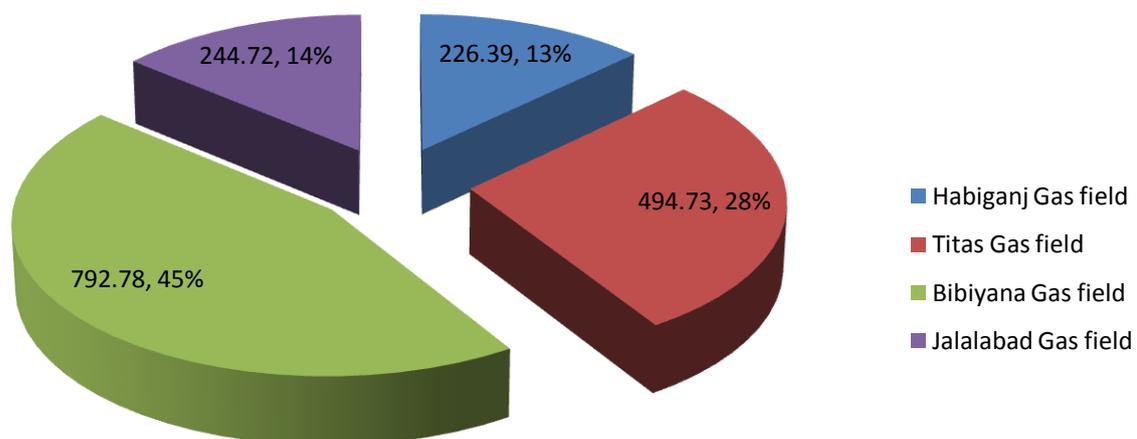
5.0 Gas Supply and Production: During the year gas production logged 820.50 Bscf and average daily gas production was 2279.16 MMcfd. Sector wise gas consumption during the year 798.05 Bscf and average daily gas supply rate of 2216.83 MMcfd is shown as Table No 14 Figure No 31 & 32

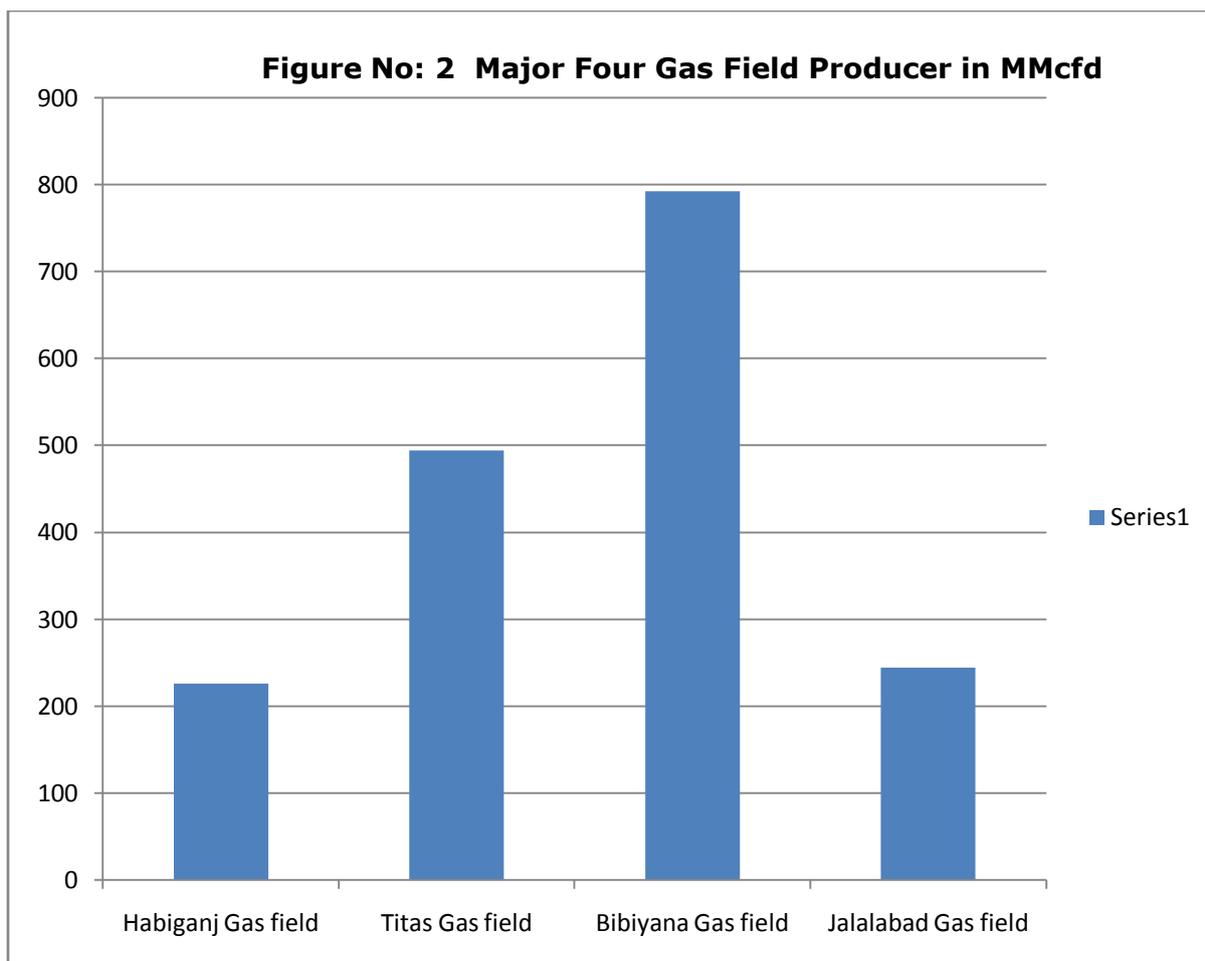
Major Four Gas field Producer in FY 2013-2014

Table:1

SI No.	Name of Gas field	Bscf	MMcfd
1.	Habiganj Gas field	81.50	226.39
2.	Titas Gas field	178.10	494.73
3.	Bibiyana Gas field	285.40	792.78
4.	Jalalabad Gas field	88.10	244.72
Total		633.10	1758.62

Figure No-1: Major Four Gas Field Producer





Company wise Gas Producer in FY 2013-2014

Table:2

SI No.	Name of Company	Bscf	MMcfd
1.	BAPEX	41.40	115.00
2.	BGFCL	287.80	799.44
3.	Chevron	400.80	1113.33
4.	SGFL	51.70	143.61
5.	Tullow	38.50	106.94
6.	Sangu	0.30	0.834
Total		820.50	2279.16

Figure No: 3 Company Wise Gas Producer

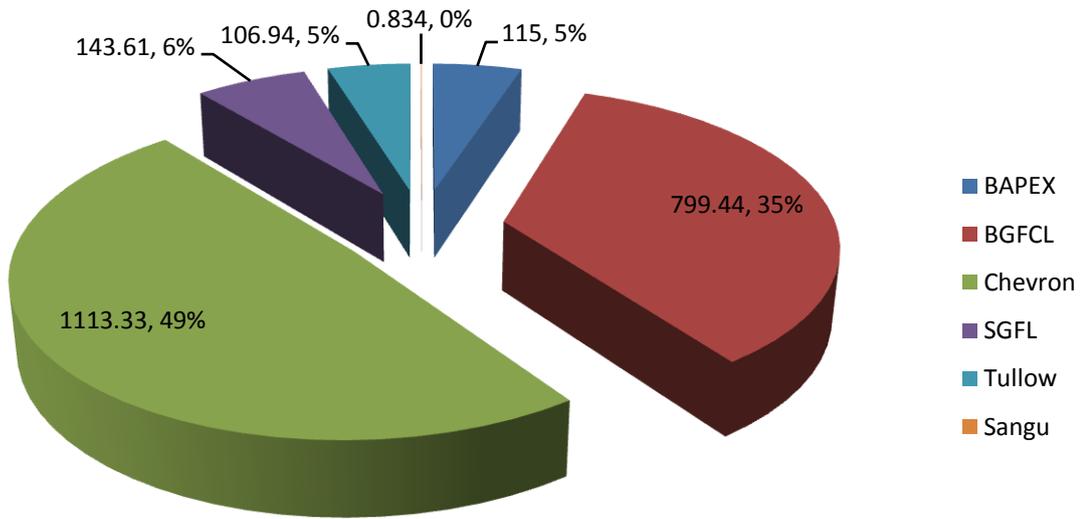
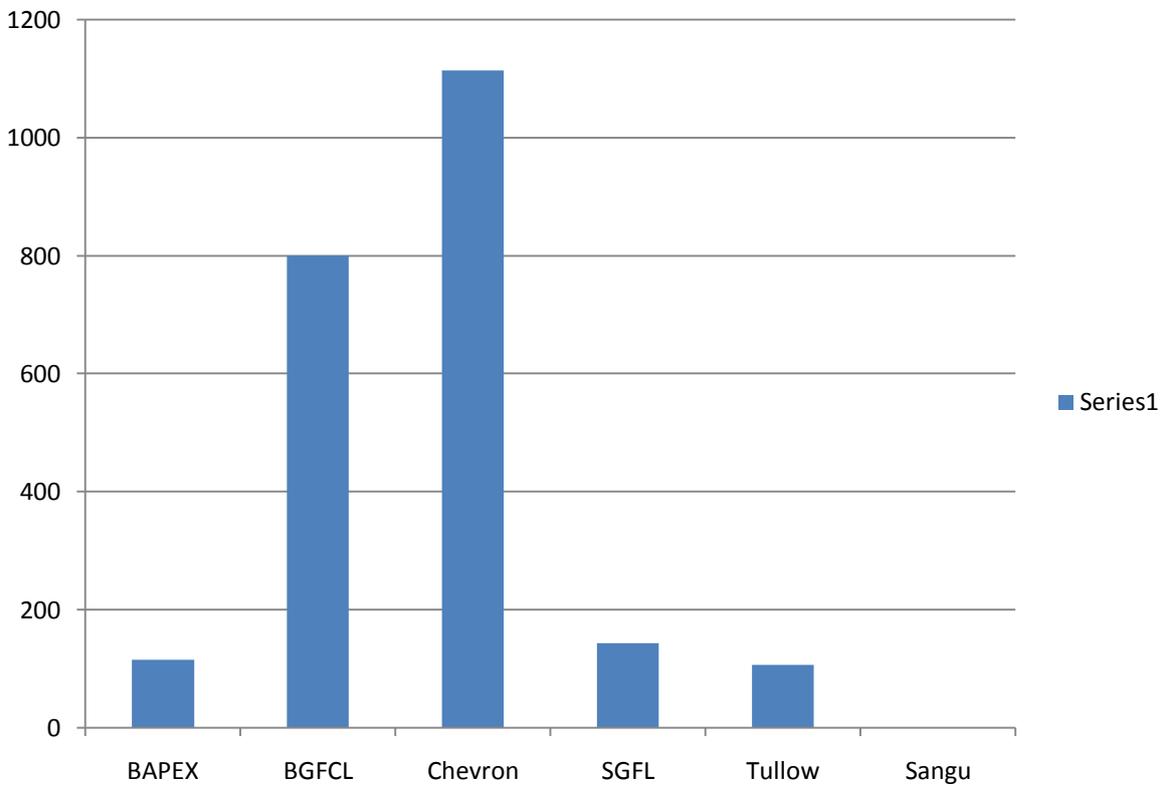


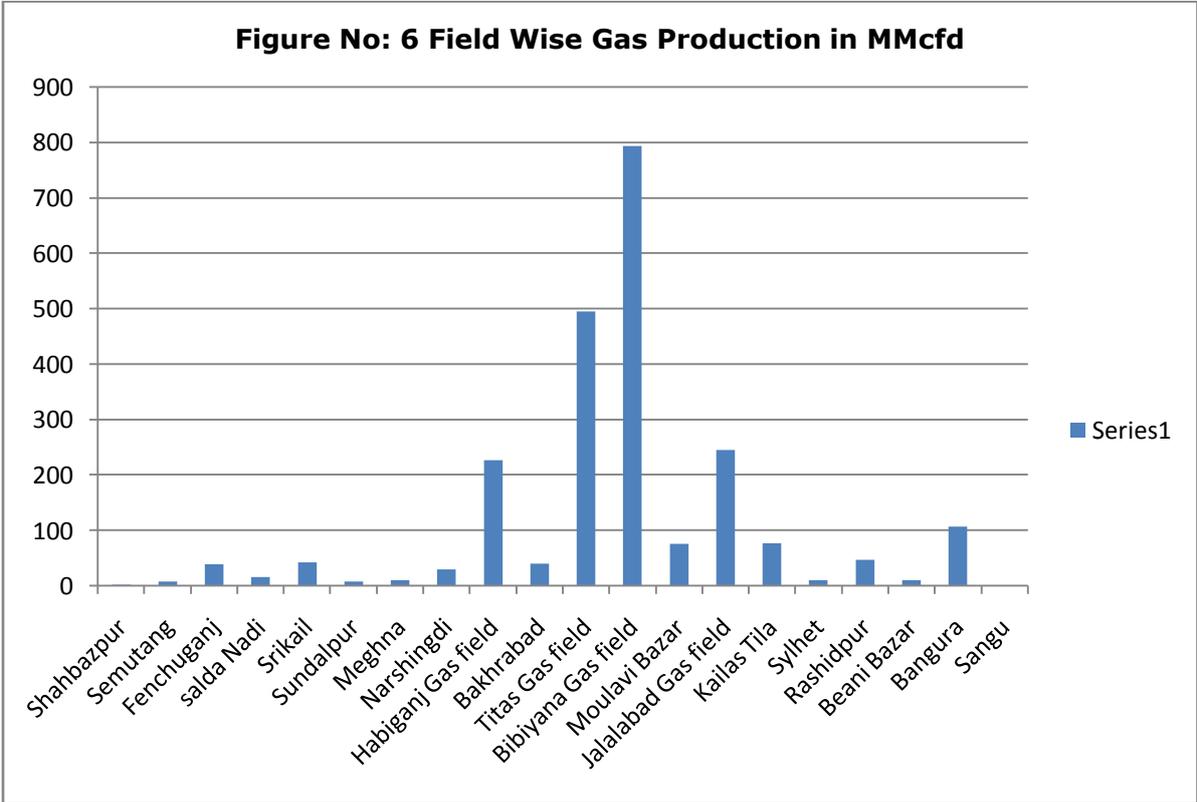
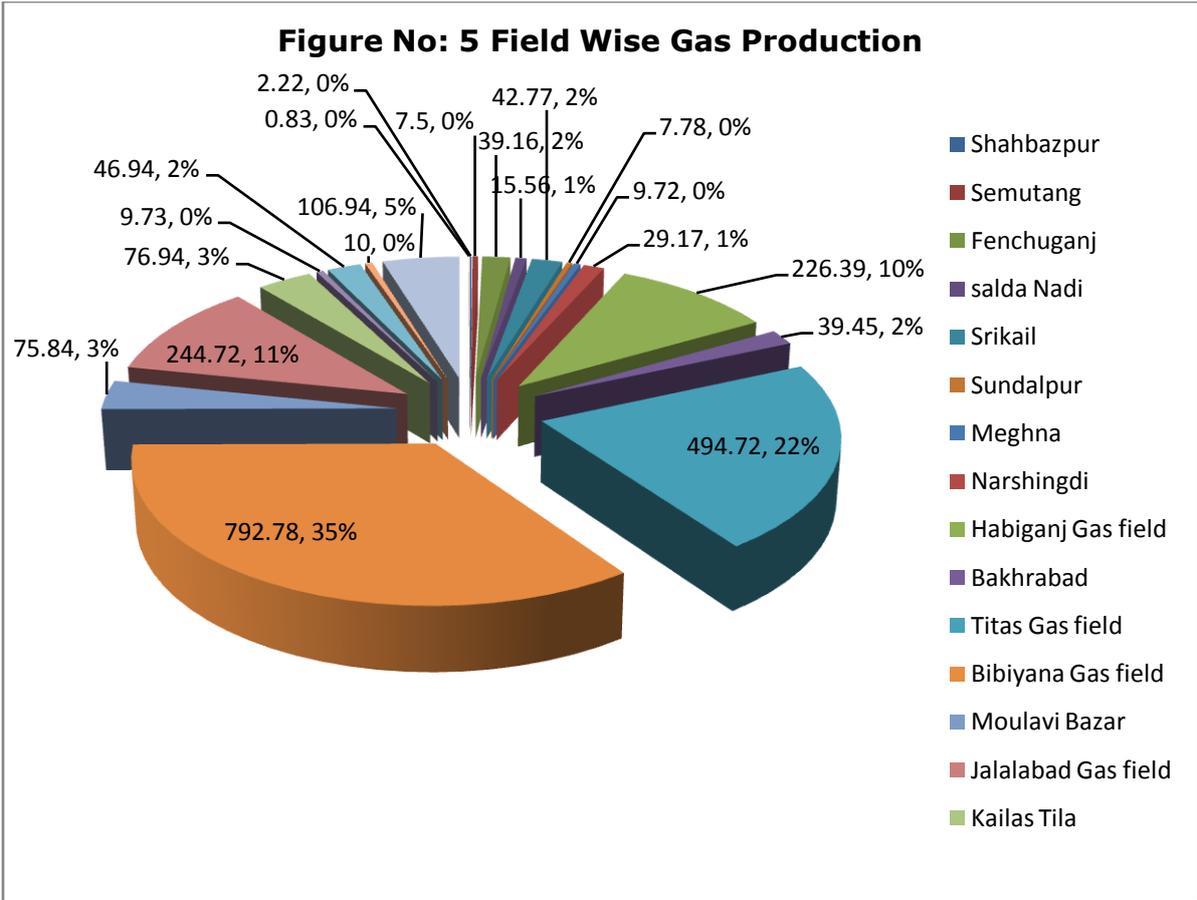
Figure No: 4 Company Wise Gas Producer in MMcfd



Field wise Gas Production in FY 2013-2014:

Table:3

SI No.	Name of Gas field	Bscf	MMcfd
1.	Shahbazpur	0.80	2.22
2.	Semutang	2.70	7.50
3.	Fenchuganj	14.10	39.16
4.	salda Nadi	5.60	15.56
5.	Srikail	15.40	42.77
6.	Sundalpur	2.80	7.78
7.	Meghna	3.50	9.72
8.	Narshingdi	10.50	29.17
9.	Habiganj Gas field	81.50	226.39
10.	Bakhrabad	14.20	39.45
11.	Titas Gas field	178.10	494.72
12.	Bibiyana Gas field	285.4	792.78
13.	Moulavi Bazar	27.30	75.84
14.	Jalalabad Gas field	88.10	244.72
15.	Kailas Tila	27.70	76.94
16.	Sylhet	3.50	9.73
17.	Rashidpur	16.90	46.94
18.	Beani Bazar	3.60	10.00
19.	Bangura	38.50	106.94
20.	Sangu	0.30	0.83
Total		820.50	2279.16



Fieldwise Condensate Recovery in FY 2013-2014

Table No: 4

SI No.	Name of Gas field	bbl/year	bbl/month	bbl/day
1.	Shahbazpur	0	0.00	0.00
2.	Semutang	997	83.08	2.77
3.	Fenchuganj	9106	758.83	25.29
4.	salda Nadi	1364	113.67	3.79
5.	Srikail	15512	1292.67	43.09
6.	Sundalpur	65	5.42	0.18
7.	Meghna	6426	535.50	17.85
8.	Narshingdi	20419	1701.58	56.72
9.	Habiganj Gas field	4038	336.50	11.22
10.	Bakhrabad	5320	443.33	14.78
11.	Titas Gas field	142224	11852.00	395.07
12.	Bibiyana Gas field	1184656	98721.33	3290.71
13.	Moulavi Bazar	3676	306.33	10.21
14.	Jalalabad Gas field	638163	53180.25	1772.68
15.	Kailas Tila	267493	22291.08	743.04
16.	Sylhet	24533	2044.42	68.15
17.	Rashidpur	20057	1671.42	55.71
18.	Beani Bazar	58502	4875.17	162.51
19.	Bangura	106091	8840.92	294.70
20.	Sangu	0	0.00	0.00
Total		2508642	209053.50	6968.45

Figure No: 7 Field Wise Condensate Recovery

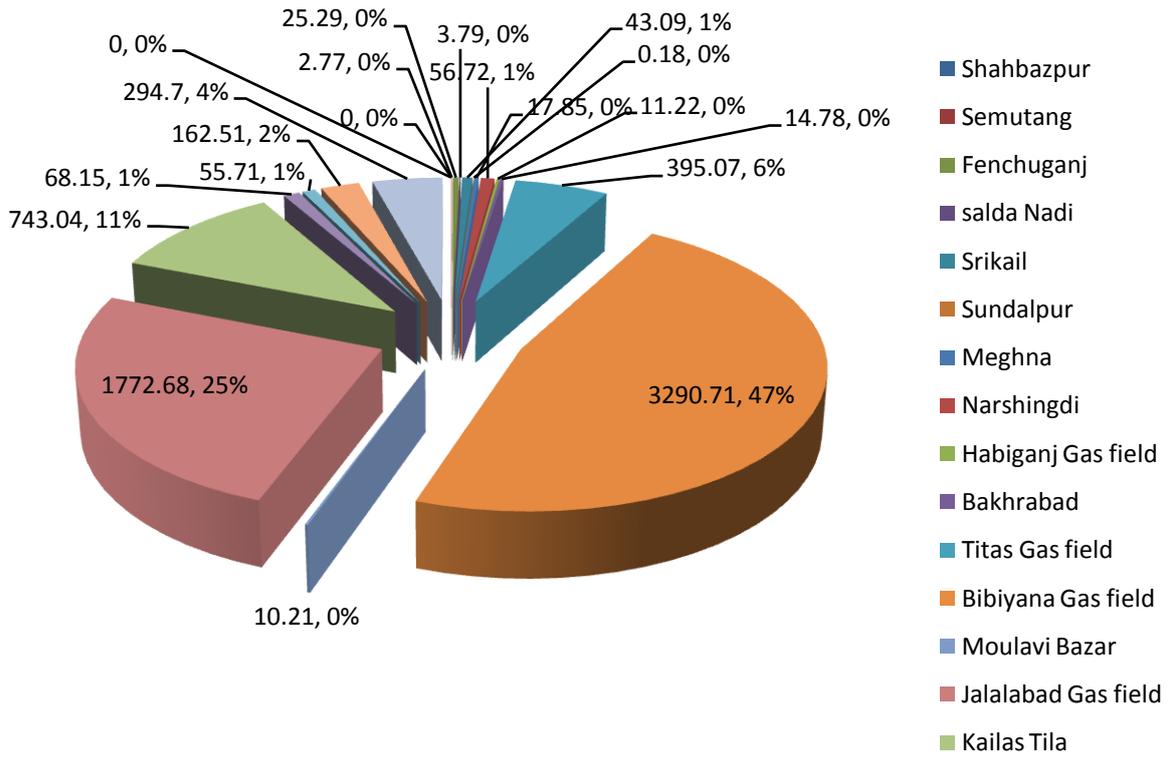
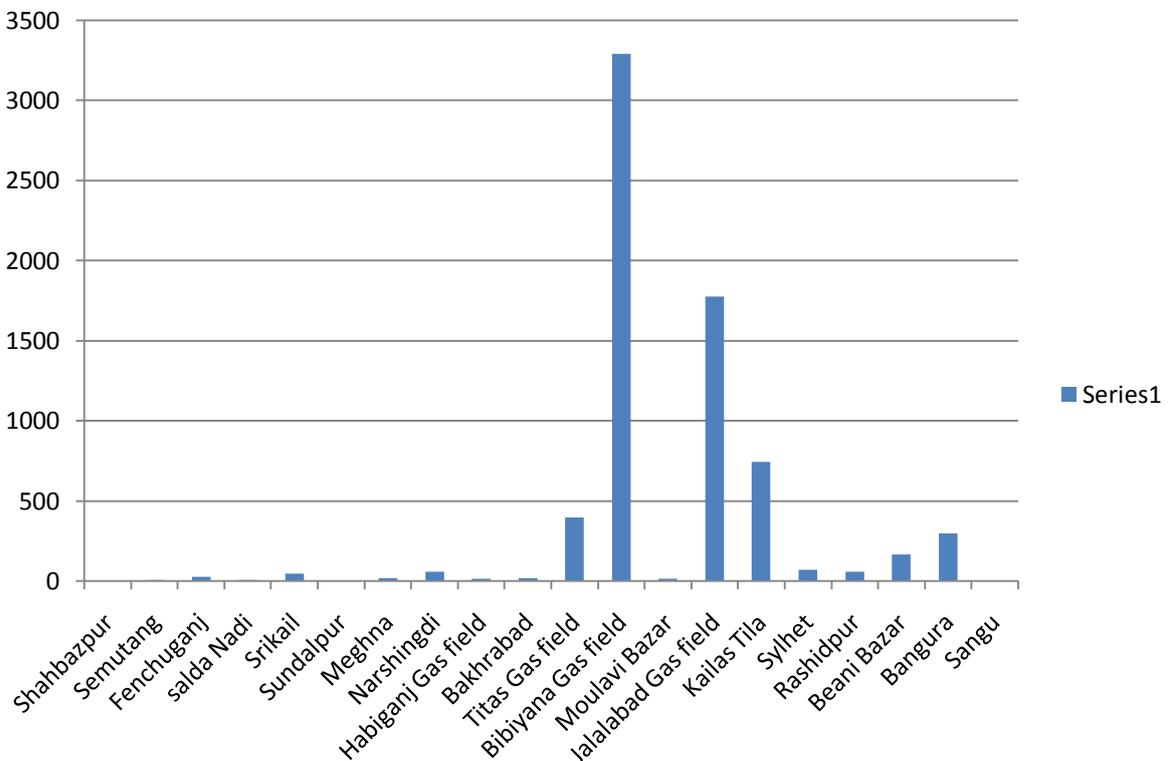


Figure No: 8 Field wise Condensate Recovery in bbl/day

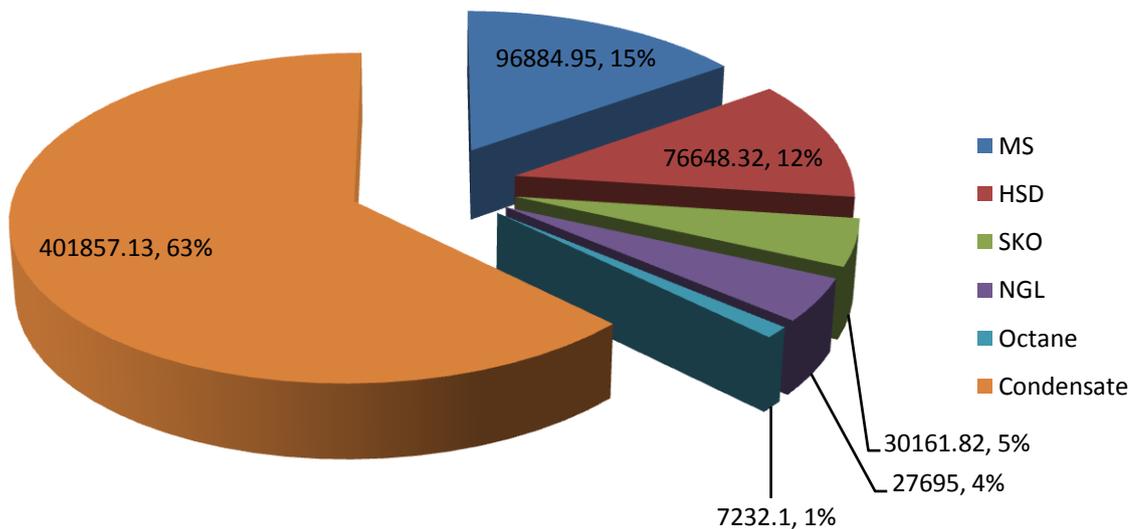


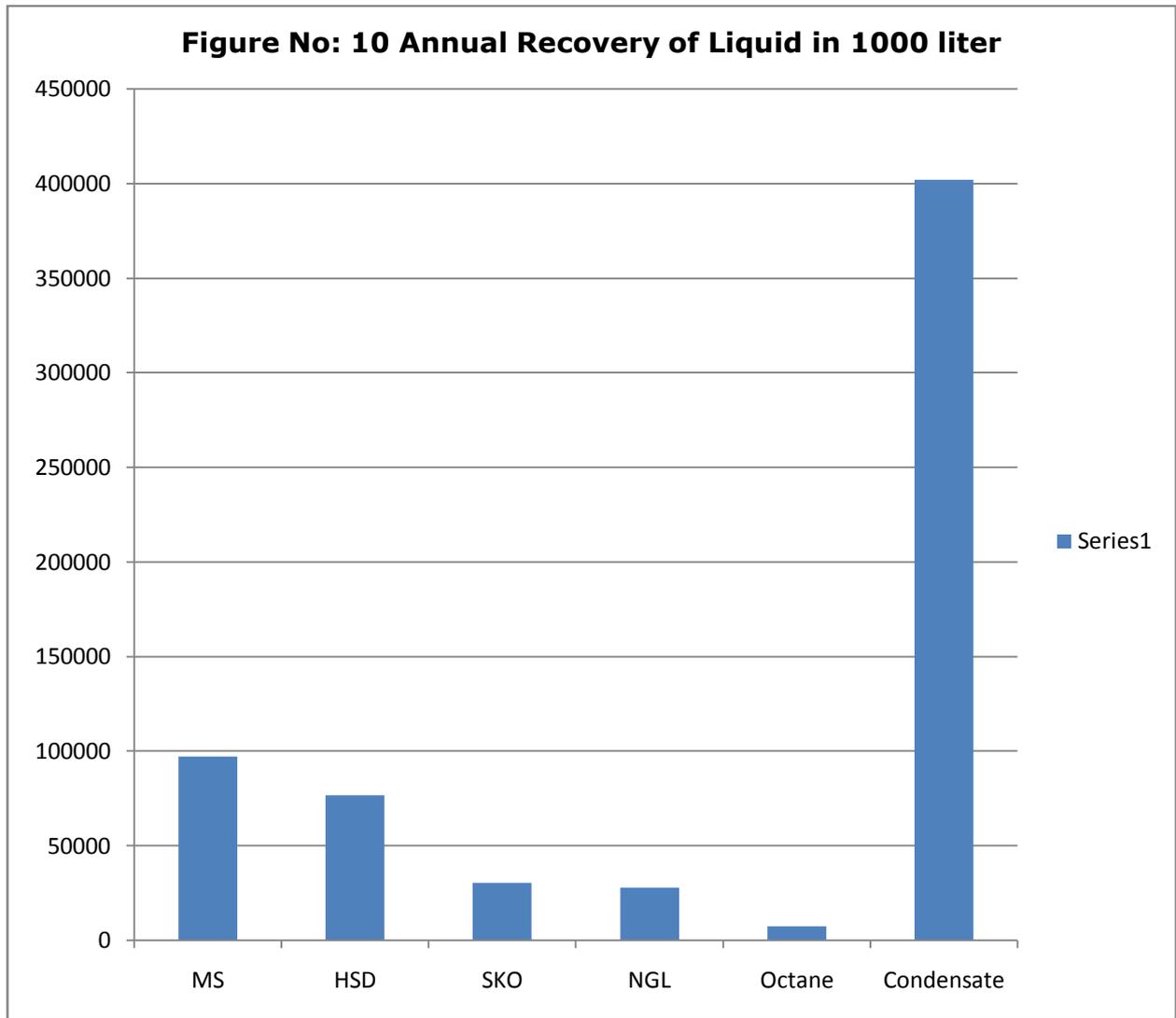
Annual Recovery of Liquid in 1000 Liter FY 2013-2014

Table No: 5

SI No.	Name of Product	Liter
1.	MS	96884.95
2.	HSD	76648.32
3.	SKO	30161.82
4.	NGL	27695.00
5.	Octane	7232.10
6.	Condensate	401857.13
Total		640479.32

Figure No: 9 Annual Recovery of Liquid in 1000 liter





Comparison of Annual Gas Production by National Companies in FY 2013-2014

Table No: 6

SI No.	Name of National Company	Bscf	MMcfd
1.	BAPEX	41.40	115.00
2.	BGFCL	287.80	799.44
4.	SGFL	51.70	143.61
Total		400.80	1113.34

Figure No: 11 Comparison of Annual Gas production by National Companies

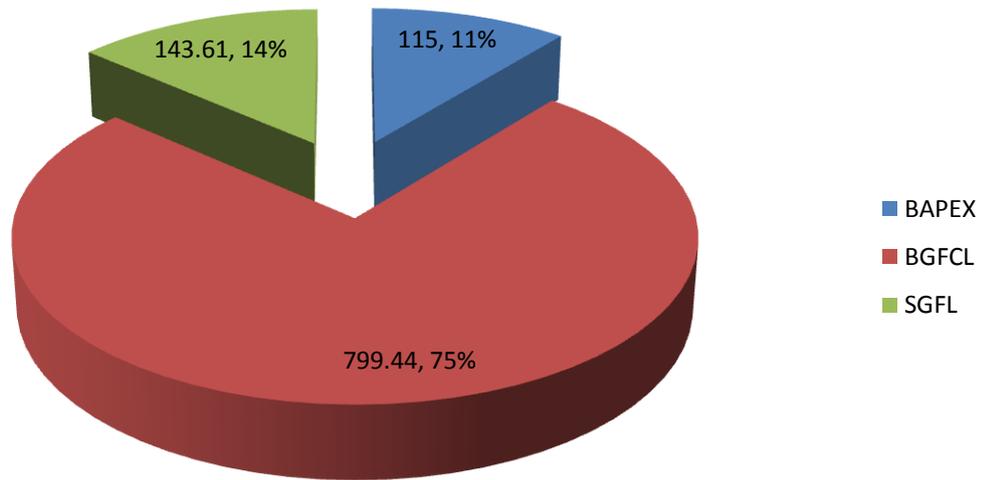
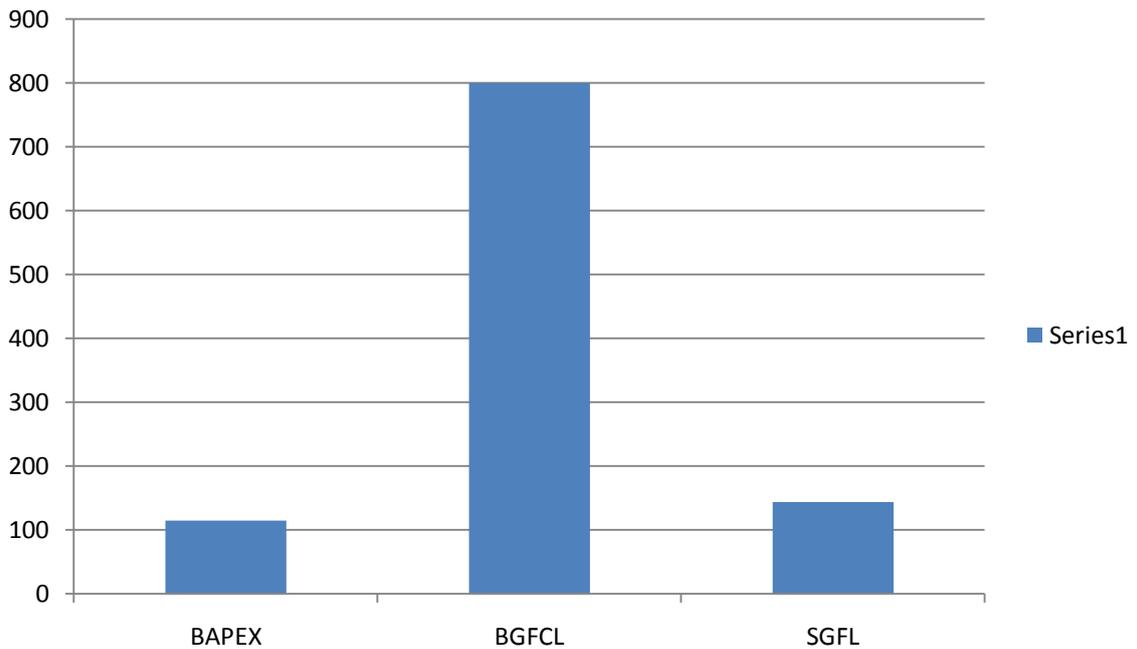


Figure No: 12 Gas production by National Companies in MMcfd



**Field wise Annual Gas Production of Gas Fields Under National Companies,
FY 2013-14**

Table No: 7

SI No.	Name of Gas field	Bscf	MMcfd
1.	Shahbazpur	0.80	2.22
2.	Semutang	2.70	7.50
3.	Fenchuganj	14.10	39.16
4.	salda Nadi	5.60	15.56
5.	Srikail	15.40	42.77
6.	Sundalpur	2.80	7.78
7.	Meghna	3.50	9.72
8.	Narshingdi	10.50	29.17
9.	Habiganj Gas field	81.50	226.39
10.	Bakhrabad	14.20	39.45
11.	Titas Gas field	178.10	494.72
12.	Kailas Tila	27.70	76.94
13.	Sylhet	3.50	9.73
14.	Rashidpur	16.90	46.94
15.	Beani Bazar	3.60	10.00
Total		380.90	1058.05

Figure No: 13 Field wise Annual Gas production of National Companies

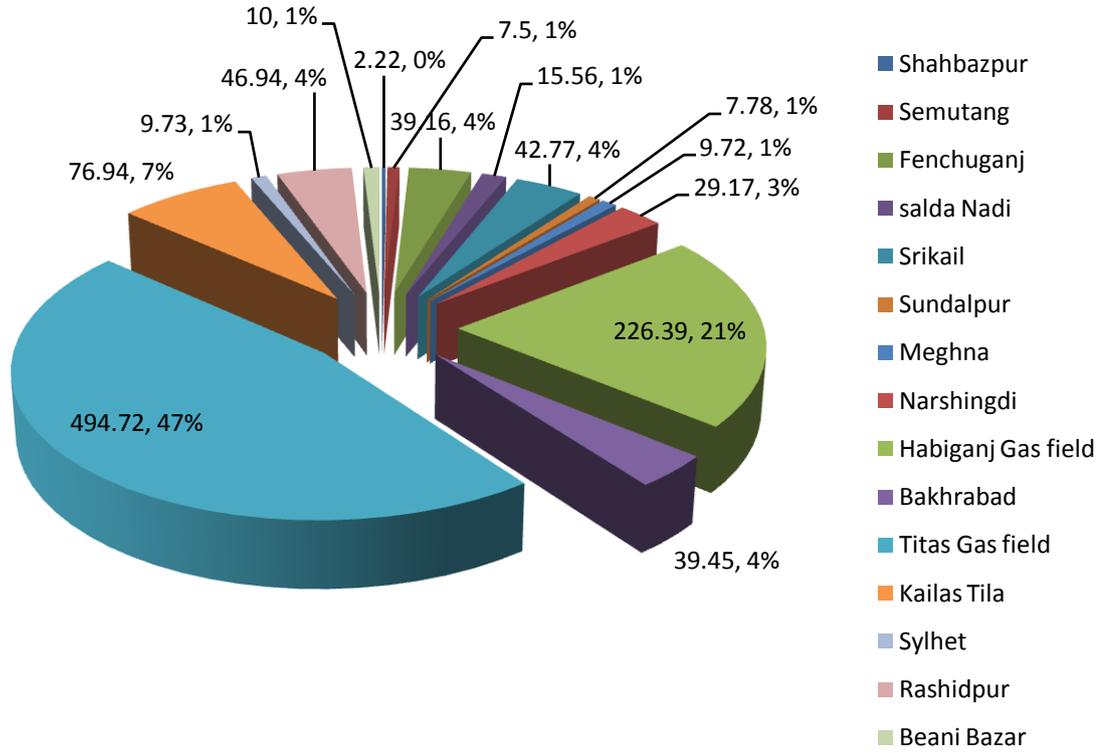
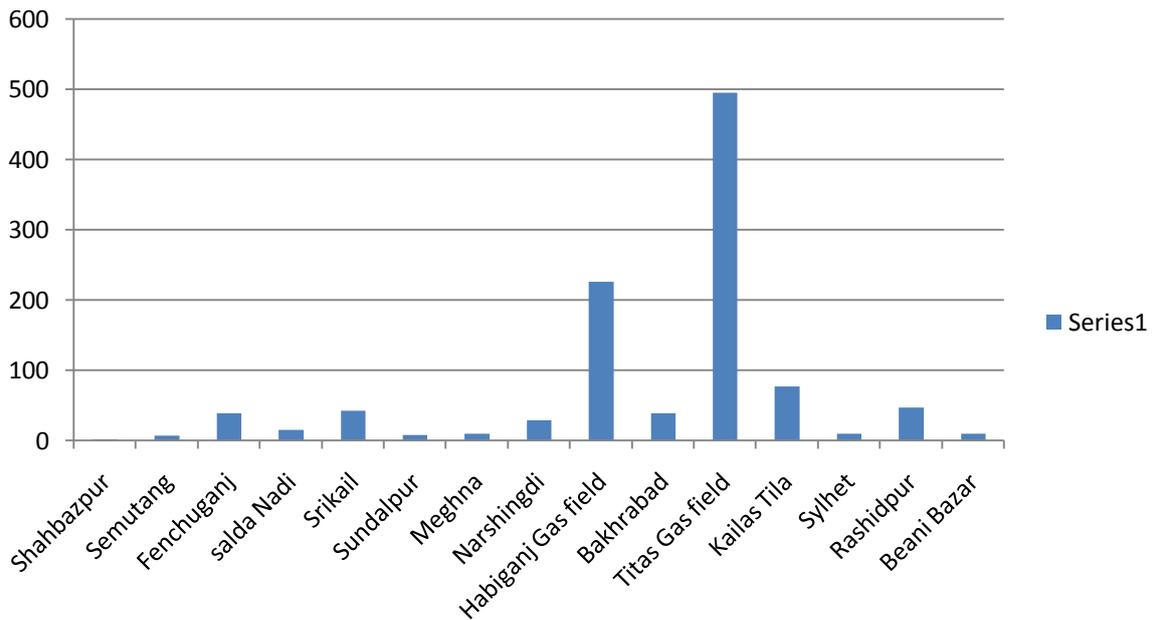
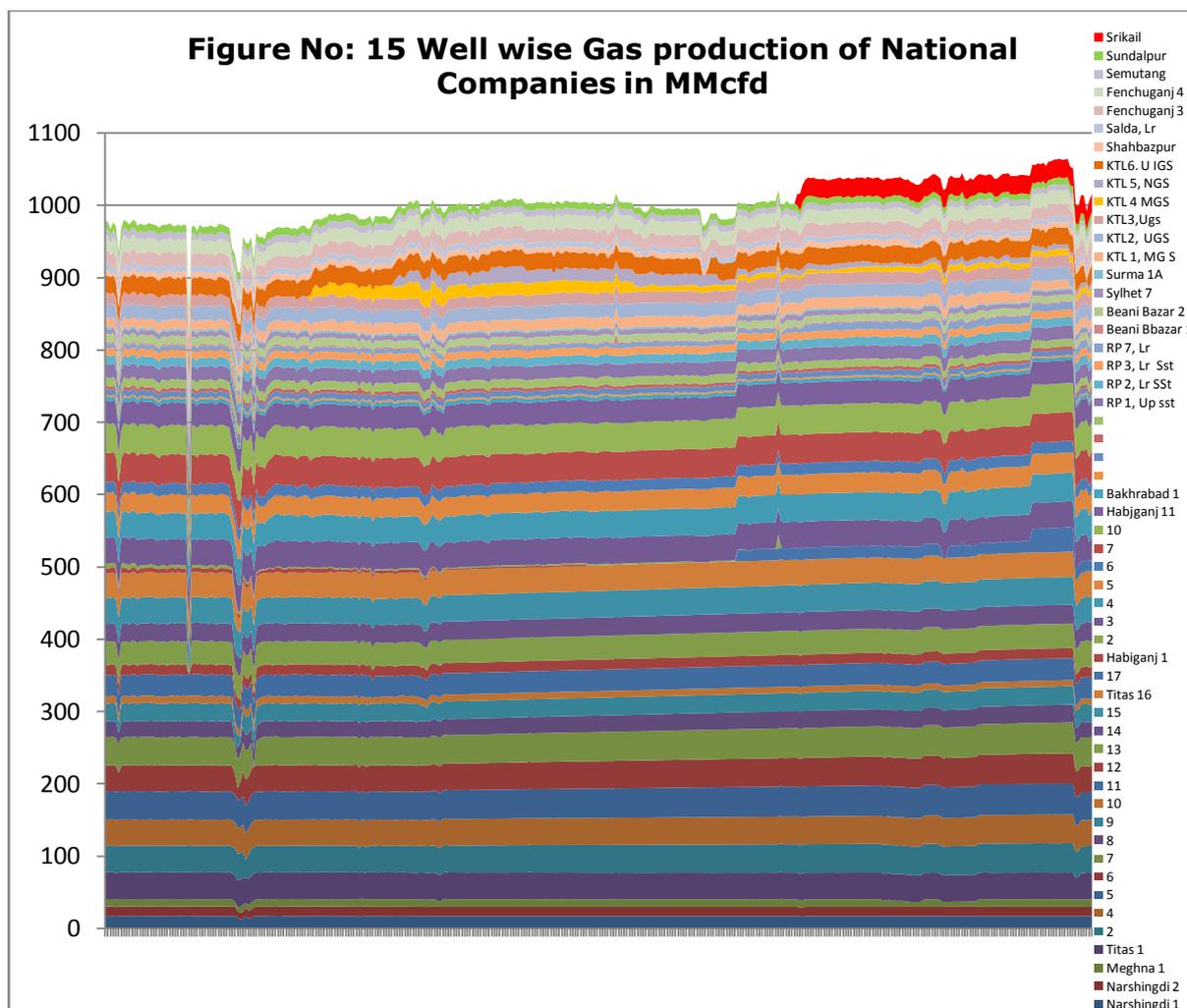


Figure No: 14 Field wise Gas production of National Companies in MMcfd





Field Wise Gas Production in BAPEX in FY 2013-14

Table No: 8

SI No.	Name of Gas field	Bscf	MMcf
1.	Shahbazpur	0.80	2.22
2.	Semutang	2.70	7.50
3.	Fenchuganj	14.10	39.16
4.	salda Nadi	5.60	15.56
5.	Srikail	15.40	42.77
6.	Sundalpur	2.80	7.78
Total		41.40	114.99

Figure No: 16 Field wise Gas Production in BAPEX

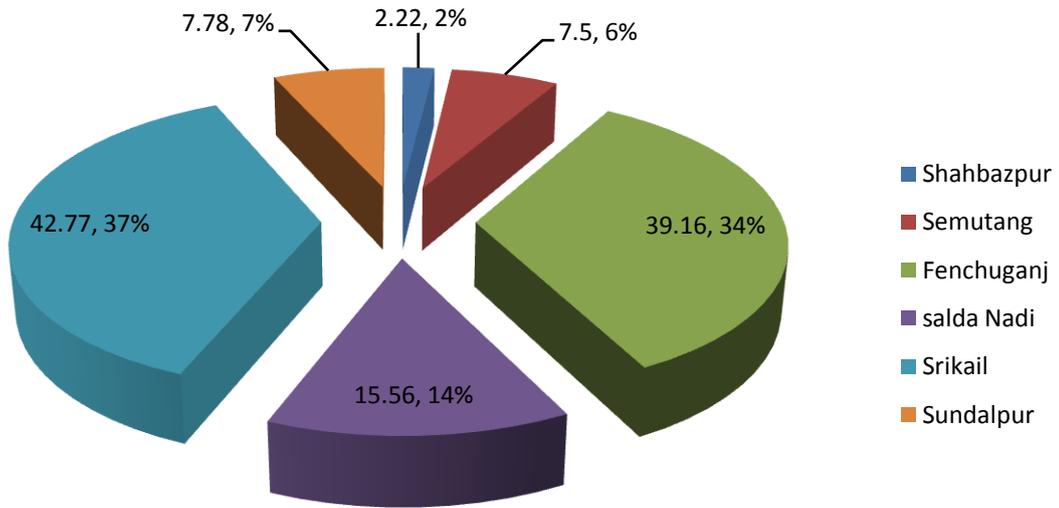
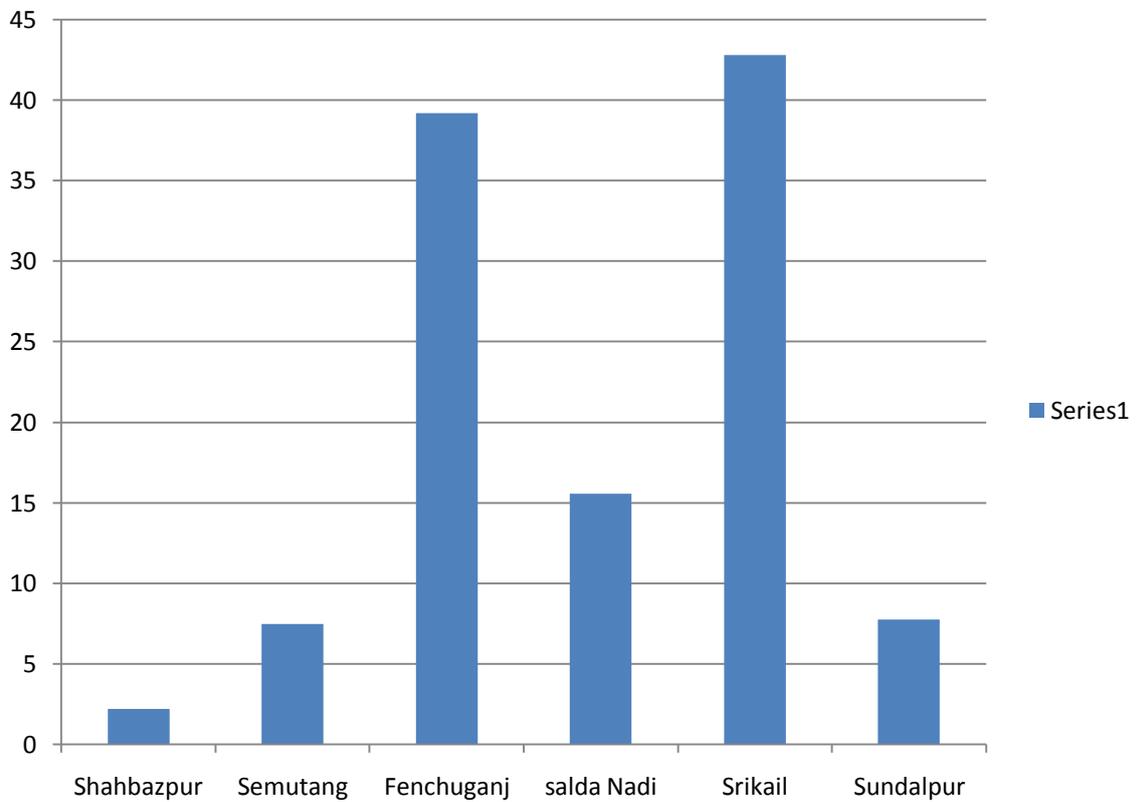


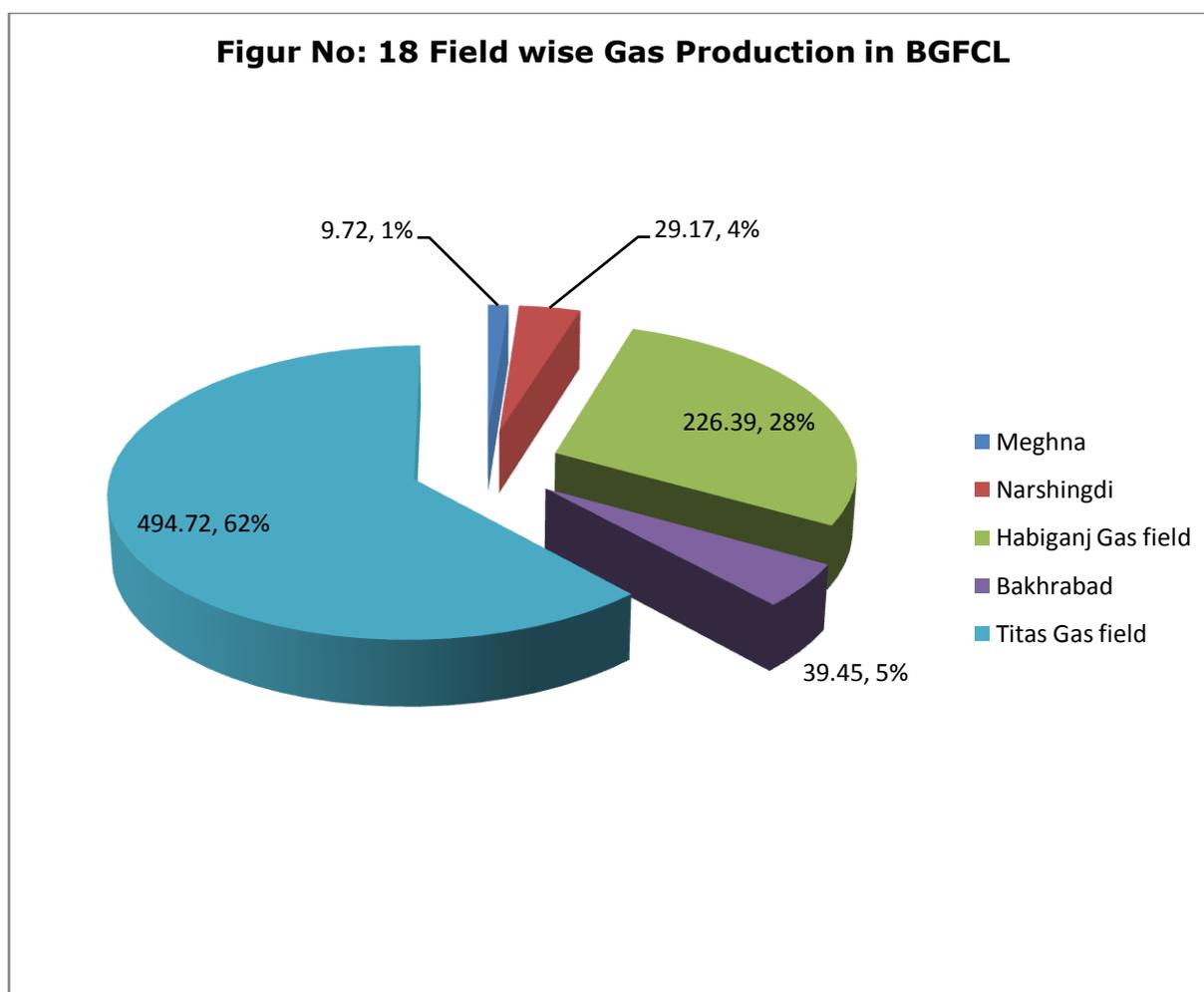
Figure No: 17 Field wise Gas Production in BAPEX in MMcfd

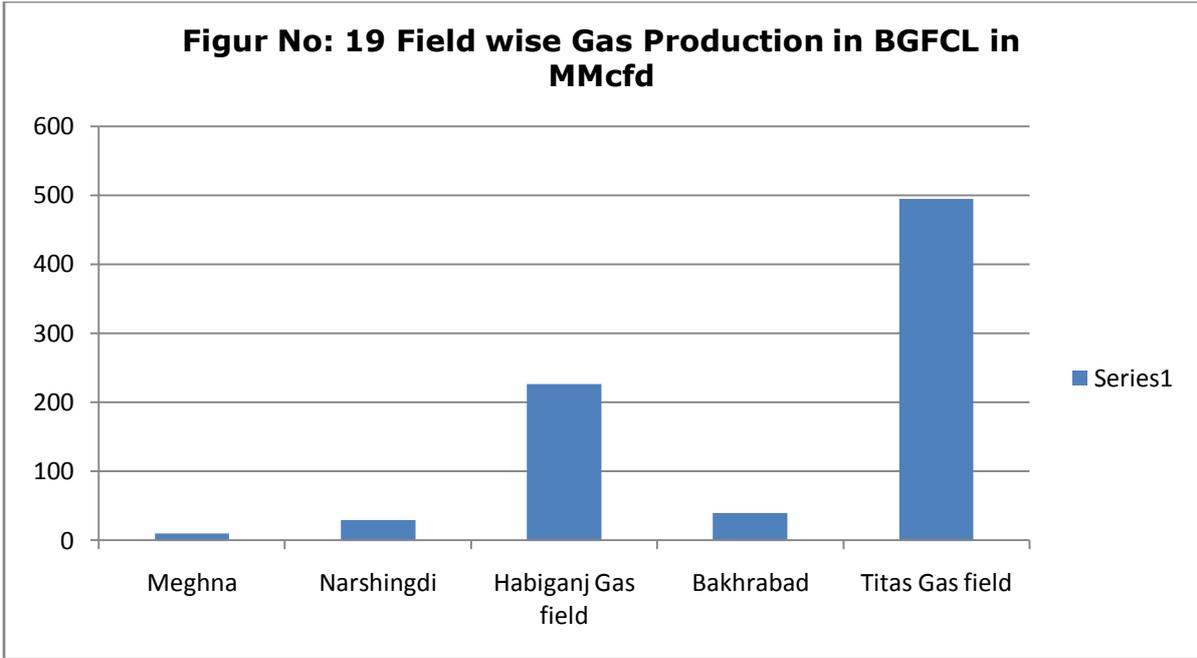


Fieldwise Gas Production in BGFCL in FY 2013-14

Table No: 9

SI No.	Name of Gas field	Bscf	MMcfd
1.	Meghna	3.50	9.72
2.	Narshingdi	10.50	29.17
3.	Habiganj Gas field	81.50	226.39
4.	Bakhrabad	14.20	39.45
5.	Titas Gas field	178.10	494.72
Total		287.8	799.45

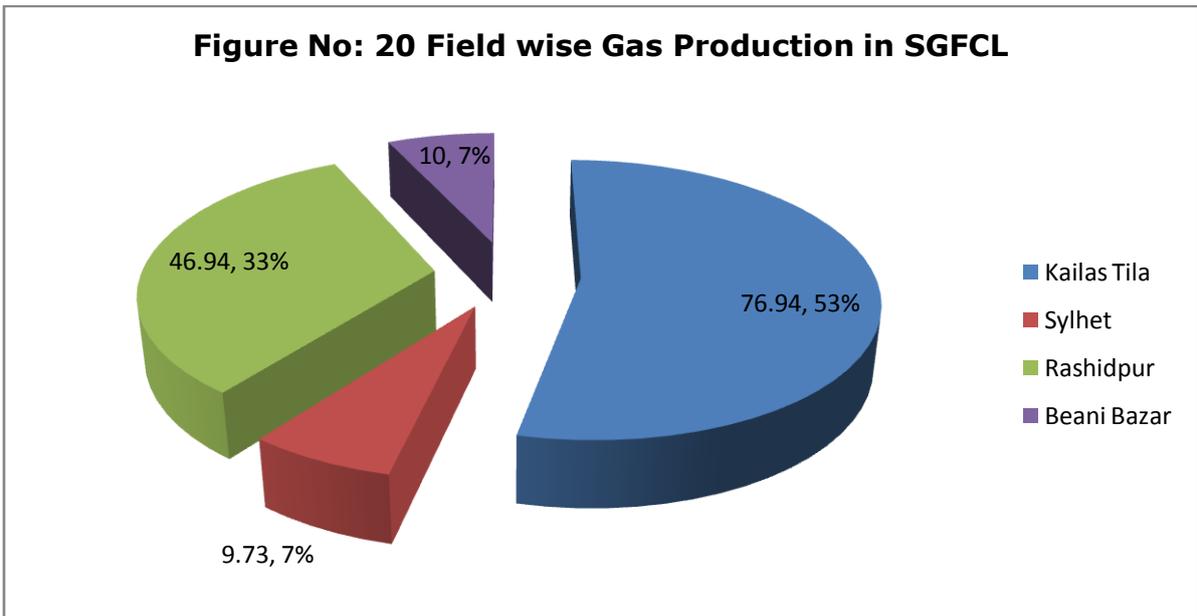


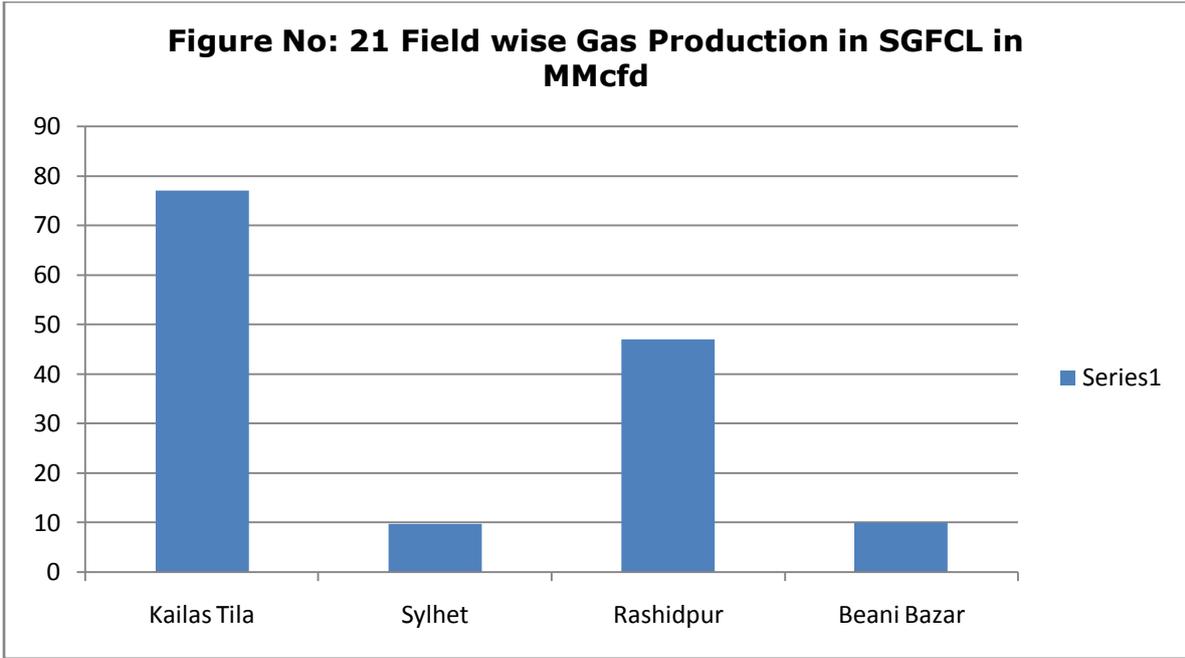


Field Wise Gas Production in SGFL FY 2012-13.

Table No: 10

SI No.	Name of Gas field	Bscf	MMcfd
1.	Kailas Tila	27.70	76.94
2.	Sylhet	3.50	9.73
3.	Rashidpur	16.90	46.94
4.	Beani Bazar	3.60	10.00
Total		51.70	143.61

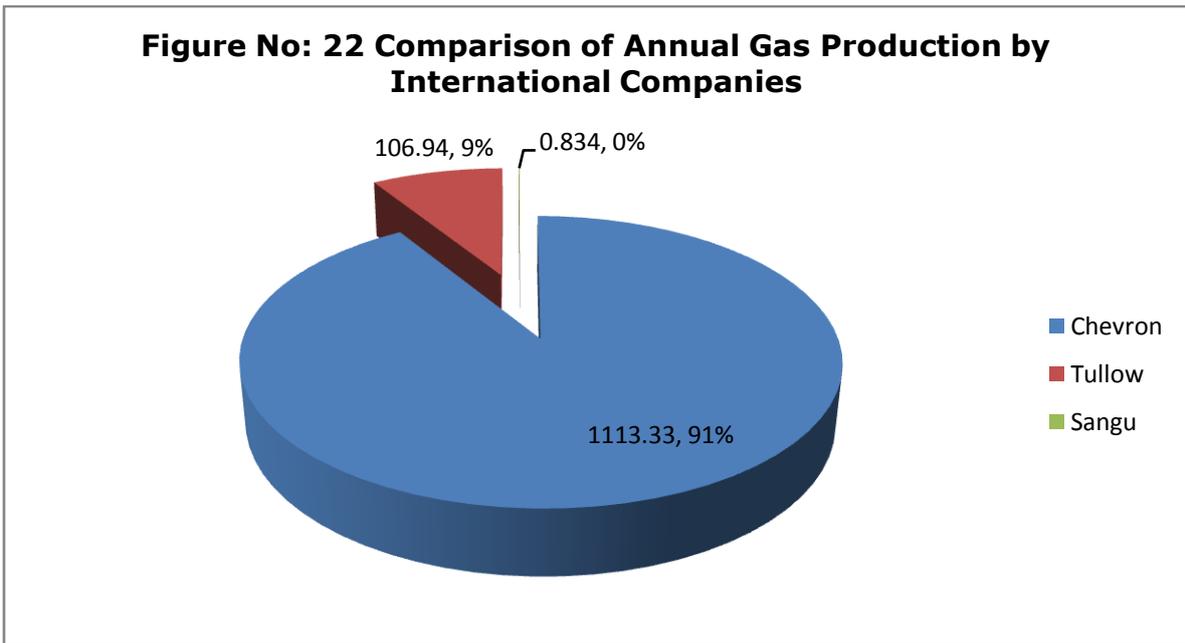


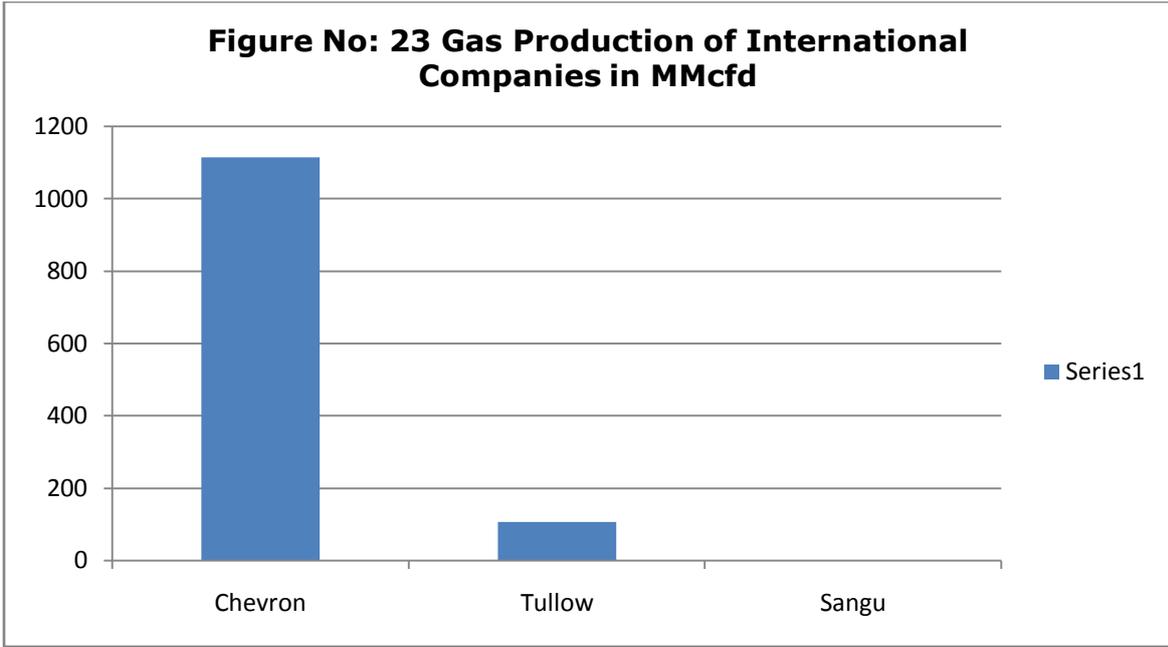


Comparison of Annual Gas Production by International Companies in FY 2013-2014

Table No: 11

SI No.	Name of Company	Bscf	MMcfd
1.	Chevron	400.80	1113.33
2.	Tullow	38.50	106.94
3.	Sangu	0.30	0.834
Total		439.60	1221.104





Fieldwise Gs Production by IOCs in FY 2013-14

Table No: 12

SI No.	Name of Gas field	Bscf	MMcfd
1.	Bibiyana Gas field	285.4	792.78
2.	Moulavi Bazar	27.30	75.84
3.	Jalalabad Gas field	88.10	244.72
4.	Bangura	38.50	106.94
5.	Sangu	0.30	0.83
Total		439.60	1221.11

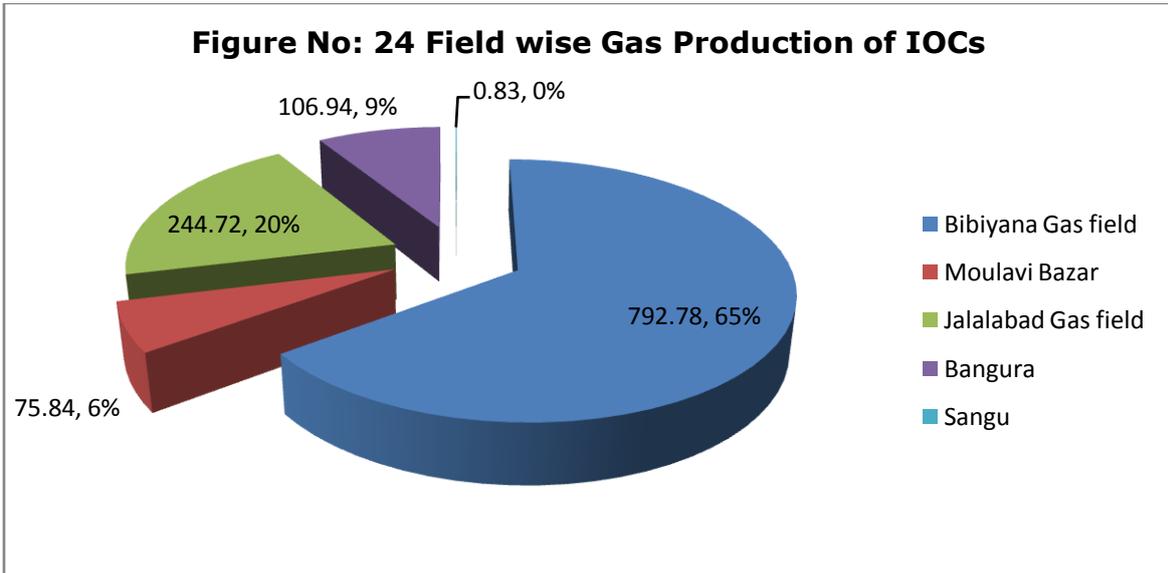


Figure No: 25 Field wise Gas Production of IOCs in MMcfd

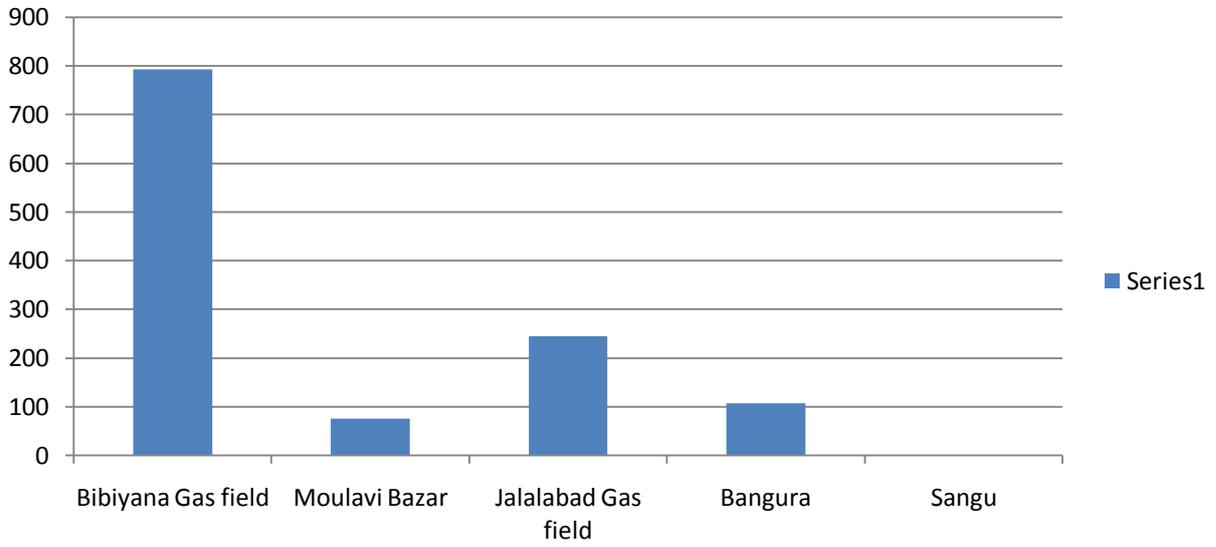
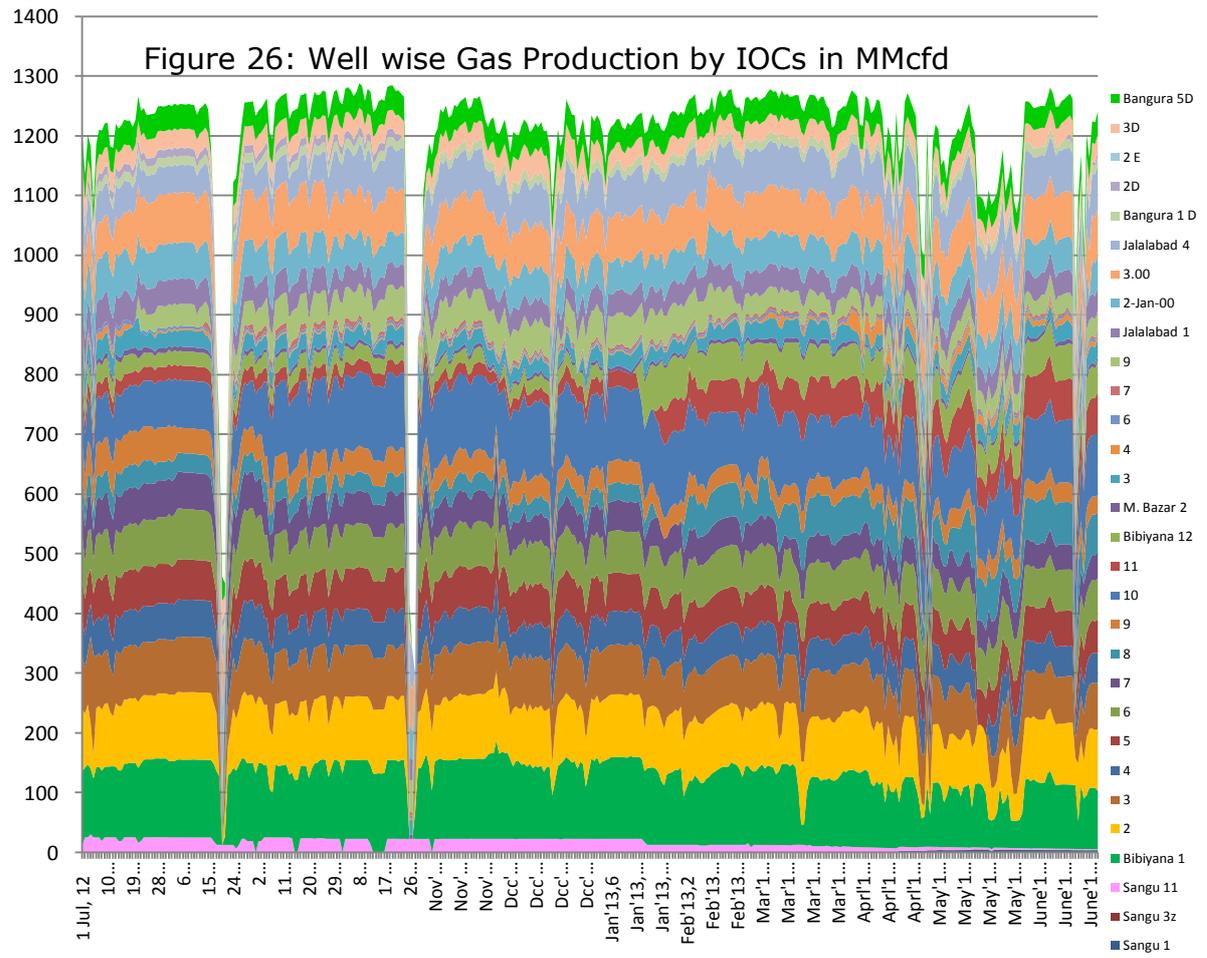
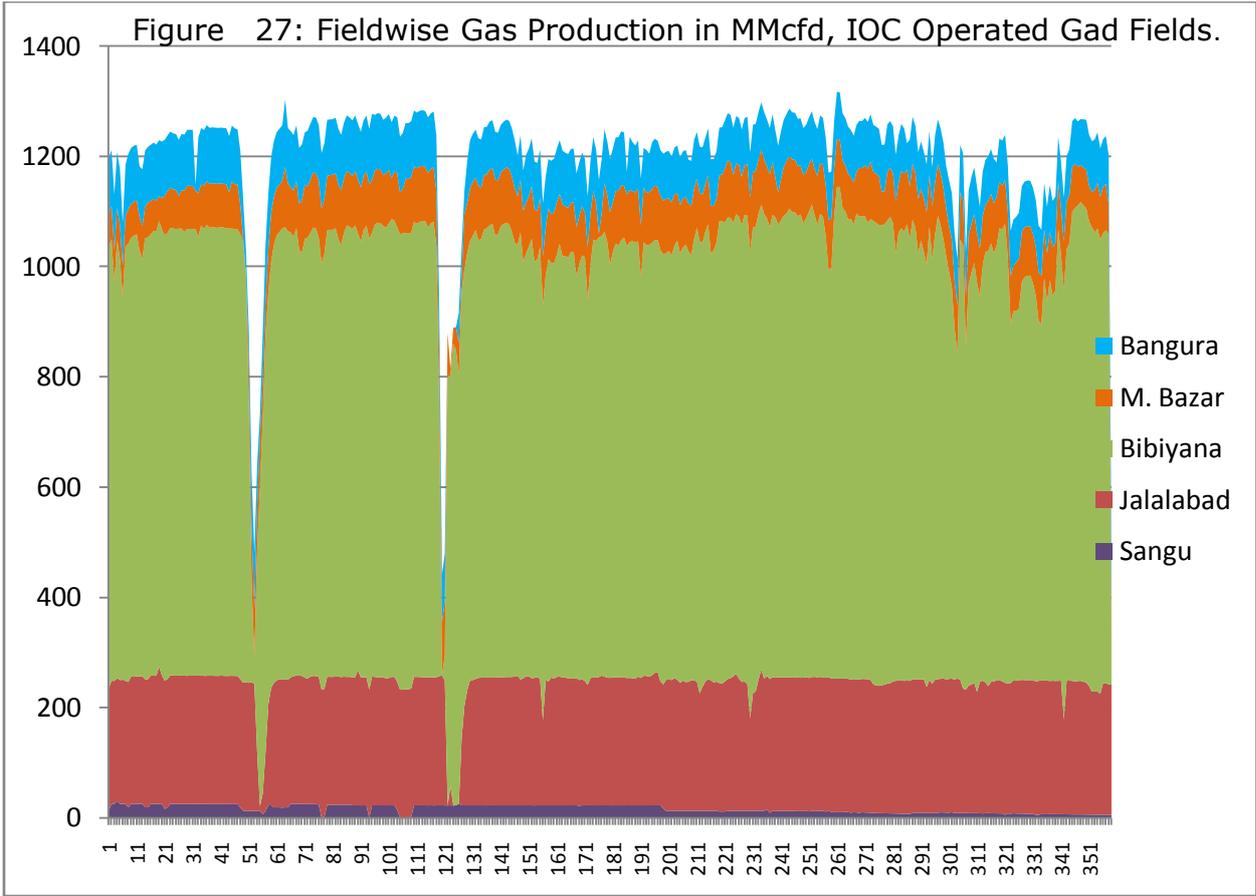


Figure 26: Well wise Gas Production by IOCs in MMcfd





Fieldwise Gas Production in Chevron Operated Gad Fields in FY 2013-2014

Table : 13

SI No.	Name of Gas field	Bscf	MMcfd
1.	Bibiyana Gas field	285.4	792.78
2.	Moulavi Bazar	27.30	75.84
3.	Jalalabad Gas field	88.10	244.72
Total		400.80	1113.34

Figure No: 28 Field Wise Gas Production in Chevron operated Gas Field

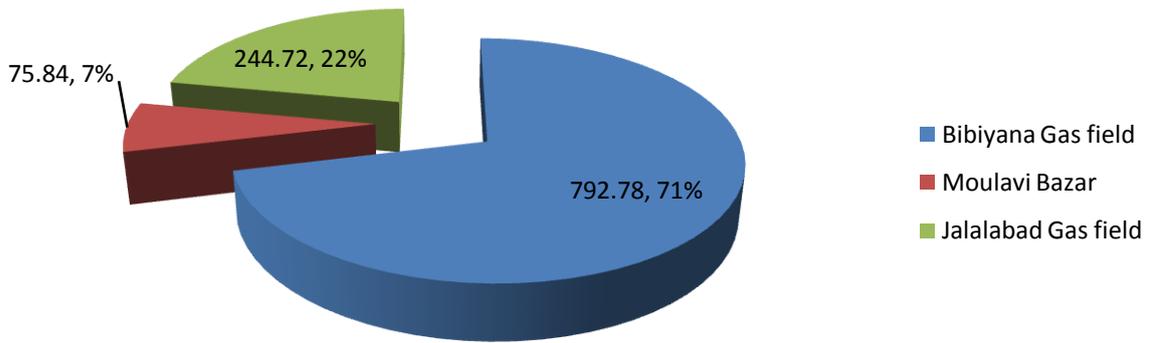
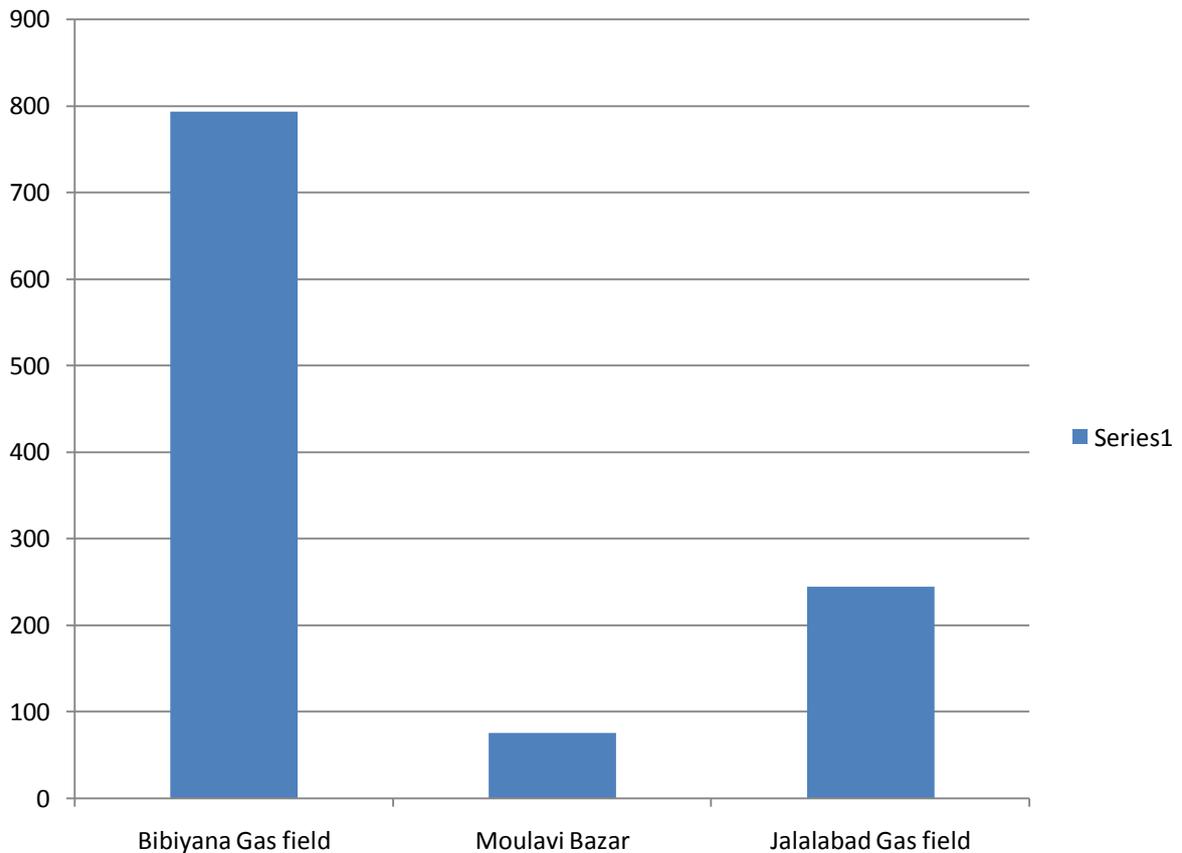
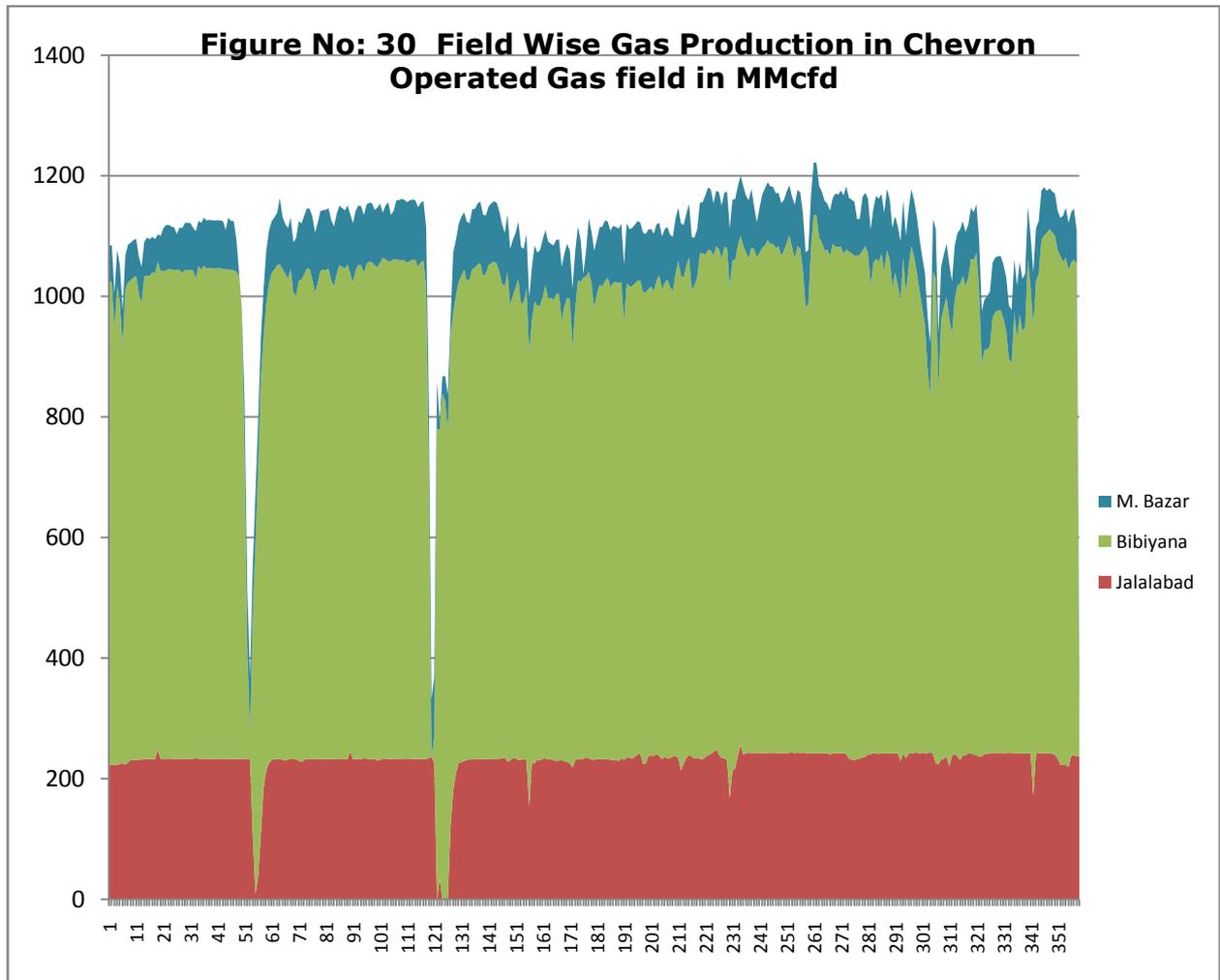


Figure No: 29 Field Wise Gas Production in Chevron operated Gas Field in MMcfd





Secorwise Gas Consumption In FY 2013-14

Table No: 14

(1CM=35.31CF)

SI No.	Name of Specification	MMCM	MMcf
1.	Power	9311.86	913.34
2.	Industry	3843.66	377.00
3.	Captive	3798.38	372.56
4.	Fertilizer	1697.64	166.51
5.	Commercial	249.356	24.46
6.	Domestic	2541.19	249.25
7.	CNG	1136.98	111.52
8.	Tea estate	22.37	2.19
Total		22,601.44	2216.83

Figure No: 31 Sector wise Gas Consumption

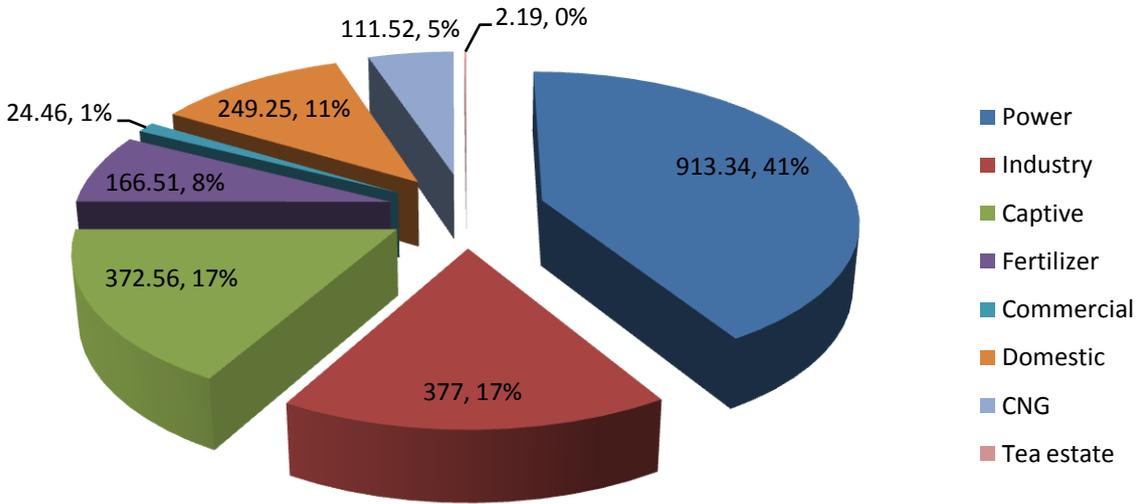


Figure No: 32 Sector wise Gas Consumption in MMcfd

