



HYDROCARBON UNIT

Energy & Mineral Resources Division

Annual Report

On

Gas Production and Consumption

FY 2014-2015



HYDROCARBON UNIT

Energy and Mineral Resources Division

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P r e f a c e

Annual Report entitled Gas Production and Consumption was prepared and published by Hydrocarbon Unit for the first time in October 2005. The present one is the issue of Annual Report on Gas Production and Consumption for the period of July 2014 to June 2015. In this report, gas production by State-owned Enterprise (SoE), International Oil Companies (IOC) and Joint Venture Undertakings in Bangladesh have been reflected. Daily average gas production rate and Condensate-Gas ratio have been included in the report as well. Moreover, sector-wise gas supply and consumption alongwith Unaccounted for Gas (UFG) have been illustrated with a monthly graphical presentation.

This report has been prepared based on the data available from the Monthly Reserve and Gas Production Report of HCU and Monthly Information System (MIS) of Petrobangla.

It is expected that the report will be helpful as reference book and elements of interest for the concerned.

The report will also be available at HCU's website: www.hcu.org.bd

Date: 22 February 2016

Md. Harun-or-Rashid Khan
Director General

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1.0 Background:

First exploration in Bangladesh is recorded at the beginning of 1908. It was BOC (Burmah Oil Co. Ltd). BOC conducted surface geological mapping in Chittagong area. During 1910 to 1914 exploratory wells were drilled in Staked 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 Path aria 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. Pakiatan 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 35.80 Tcf and reserve at 28.47 Tcf (Updated Report on Gas Reserve Estimation 2010, Gustavson Associates LLC, USA).

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 2014-15 fiscal year total production of gas logged 893.50 Bcf and daily average production was 2447.95 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 971.23 MMcfd and well wise minimum gas production was 1.37 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 2013-14 fiscal years total gas production was 820.50 Bcf and daily average production 2247.95 MMcfd.

In 2014-15 increase of annual gas production was 73.00 Bcf and daily gas production was 200.00 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 80 percent (1953.70 MMcfd) of total production is shown as Table No 1 and Figure No 1 and 2.

During the year 93 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 93 wells were flowing. During this year National Companies produced 390.90 Bcf gas from 61 wells which equals to 1070.96 MMcfd. Minimum gas production was recorded from Begumganj gas field (3.94 MMcfd). Begumganj gas field was open for production in the middle of March, 2015. During the year average daily production from Srikail gas field was 39.73 MMcfd.

Chevron and Tullow Oil these two international companies remained active during the period. IOCs production logged 502.60 Bcf which equals to 1376.99 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.

Report on annual gas production of this year 2014-15 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 2015) of Petrobangla.

In the current year four gas fields, Bibiyana, Titas, Jalalabad and Habioganj gas fields produced 713.10 Bcf gas and average gas production was 1953.70 MMcfd. Remaining 180.40 Bcf gas is produced by 16 gas fields which equals to 494.25 MMcfd.

3.0 Gas Productions: (National Gas Producing Companies)

Three national and Two international companies remain active in production of gas Well wise average daily gas production was 2447.95 MMcfd (893.50 Bcf). During this year increase in gas production was 73.00 Bcf (200.00 MMcfd). Cumulative production on 31 June 2015 logged 13.06 Tcf. 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 3.94 MMcfd from Begumgang well 3. Maximum well wise production was recorded from Bibiyana well 1 at 90.48 MMcfd.

Out of total production national companies share was 1070.96 MMcfd. Total production of national companies during the year was 390.90 Bcf is shown as Table No 6 and Figure No 11 & 12. In the past year total production by national companies was 1098.08 MMcfd. 61 wells were open for production during the year.

During the year IOCs gas production logged 1376.99 MMcfd (502.60 Bcf). 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 2014-15.

| MMcfd | SGFL | BGFCL | BAPEX | Chevron | Tullow | Total |
|---------|--------|--------|--------|---------|--------|---------|
| 2014-15 | 149.32 | 815.34 | 106.30 | 1269.59 | 107.40 | 2447.95 |

During the year maximum condensate recovery was 4531.97 bbl/day from Bibiyana gas field. Kailas Tila gas field occupied second position and daily condensate recovery was 1635.87 bbl/day. Condensate recovery from Titas gas field was 394.28 bbl/day. In addition to condensate, NGL, Kerosene, HSD, and MS are 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 |
|---------|------------|-----------|-----------|------------|-----------|
| 2014-15 | 102865.547 | 75240.053 | 27623.000 | 507683.895 | 29331.810 |

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

In 2014-15 fiscal year Bangladesh Petroleum Exploration and Production Company (BAPEX) and two gas producing companies (BGFCL and SGFL) operating 16 gas fields in the country. During the year total production of national companies logged 390.90 Bcf, which equals to 1070.96 MMcfd. National companies produced through 61 wells i.e average well wise production was 17.56 MMcfd. Well wise maximum production was 40.06 MMcfd (Habiganj) and minimum production was 3.94 MMcfd (Begumganj). 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 SGFL field wise gas produced is shown as Table No 10 Figure No 20 & 21.

The national company's gas production was 390.90 Bcf and average daily gas production was 1070.96 MMcfd. Gas Production was obtained through 61 wells. Maximum well wise production was recorded from well 7 and well 10 (Habiganj).

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

BAPEX is the Exploration and Production Company of Petrobangla. During the year this company operated seven gas fields i.e. Begumganj, Shahbazpur, Salda, Fenchuganj, Semutang, Sundalpur and Srikail gas fields. Rupganj, Sundalpur and Srikail are three 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 38.80 Bcf gas and daily average gas production rate of 106.30 MMcfd. During the year 23.08 thousand bbl condensate was recovered.

3.1.1 Begumganj Gas Field:

During the year this field gas produced 0.50 Bcf (March 2015 to June 2015) and daily average gas production rate of 1.37 MMcfd. In addition to gas, from this field during the year 100 bbl condensate was also recovered.

3.1.2 Fenchuganj Gas Field:

Fenchuganj Gas Field is the main gas producer of the company. During the year this field produced 13.90 Bcf gas and daily average gas production rate of 38.08 MMcfd. In addition to gas, from this field during the year 9407 bbl condensate was recovered.

3.1.3 Salda Nadi Gas Field:

During the year two wells were producing. During the year this field gas produced 3.90 Bcf and daily average gas production rate of 10.69 MMcfd. In addition to gas, from this field during the year 658 bbl condensate was recovered. Salda Nadi gas field is a small gas field. This gas field is producing for quite some time. During 2014-15 fiscal years this gas field showed indication of pressure decline.

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 gas produced 2.90 Bcf and daily average gas production rate of 7.95 MMcfd. In addition to gas, from this field during the year 194 bbl condensate was recovered.

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 gas produced 1.90 Bcf and daily average gas production rate of 5.20 MMcfd. In addition to gas, from this field during the year 466 bbl 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 gas produced 1.20 Bcf and daily average gas production rate of 3.29 MMcfd. In addition to gas, from this field during the year 46 bbl 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 gas produced 14.50 Bcf and daily average gas production rate of 39.73 MMcfd. In addition to gas, from this field during the year 12.21 thousand bbl condensate was also recovered. It may be mentioned here that geologically Srikail is part of Bangura structure. Tullow is producing from this structure. A joint study on Srikail and Bangura can be initiated for better understanding of the structure.

3.2 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 gas produced 297.60 Bcf and daily average gas production rate of 815.34 MMcfd. In term of gas reserve, Titas is the largest gas field of the country. During the year 179 thousand bbl condensate, 12068.64 thousand liter MS and 39528.22 thousand liter HSD was recovered. Figure No 18 shows field-wise gas production in 2014-15 and Figure No 19 shows field wise gas production in MMcfd.

3.2.1 Titas Gas Field:

Titas gas field is the largest gas field of the country and second largest gas producer. During the year this field gas produced 188.50 Bcf and daily average gas production rate 516.44 MMcfd. Well wise maximum production was 37.81 MMcfd and minimum production was recorded at 9.58 MMcfd (well 20). In addition to gas, from this field during the year 143.92 thousand bbl condensate, 3799.49 thousand liter MS and 26593.41 thousand liter HSD was recovered.

3.2.2 Habiganj Gas Field:

Habiganj Gas Field is the third largest gas field of the country. During the year Habiganj field gas produced 81.60 Bcf and daily average gas production rate of 223.56 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 4.03 thousand bbl condensate was recovered.

3.2.3 Bakhraabad Gas Field:

During the year this field gas produced 13.80 Bcf and daily average gas production rate of 37.81 MMcfd. In addition to gas, from this field during the year 8269.15 thousand liter MS, 12934.81 thousand liter HSD and 5.95 thousand bbl condensate was recovered.

3.2.4 Narshingdi:

During the year this field gas produced 10.20 Bcf and daily average gas production rate of 27.95 MMcfd. In addition to gas, from this field during the year 18.63 thousand bbl condensate was recovered.

3.2.5 Meghna Gas Field:

During the year this field gas produced 3.50 Bcf and daily average gas production rate 9.59 MMcfd. Gas production rate was quite stable. In addition to gas, from this field during the year 6.48 thousand bbl condensate was recovered.

3.3 Sylhet Gas Fields Ltd:

This company operates four gas fields i.e. Kailas tila , Rashidpur, Beani bazar and Sylhet. During the year this company gas produced 54.50 Bcf and average daily gas production rate of 149.32 MMcfd. During the year 90796.90 thousand liter MS, 35712.05 thousand liter HSD, 27623.00 thousand liter NGL, 355.49 thousand bbl condensate and 29331.81 thousand liter kerosene was recovered. 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 gas produced 26.50 Bcf and average gas production rate of 72.60 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 257 thousand bbl condensate, 9842.19 thousand liter MS and 7700.836 thousand liter HSD was recovered.

3.3.2 Rashidpur Gas Field:

During the year this field gas produced 21.10 Bcf and average gas production rate of 57.81 MMcfd. In addition to gas, from this field during the year 19.81 thousand bbl condensate was recovered.

3.3.3 Beani Bazar Gas Field:

During the year this field gasproduced 3.60 Bcf and average gas production rate of 9.86 MMcfd. In addition to gas, from this field during the year 56.43 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 gas produced 3.30 Bcf and average gas production rate of 9.04 MMcfd. In addition to gas, from this field during the year 22.25 thousand bbl condensate, 2473.64 thousand liter MS, 744.62 thousand liter kerosene was also recovered.

4.0 Gas Productions (International Companies):

Chevron and Tullow are two international oil and gas companies (IOCs) operating in the country. During the year these two companies gas produced 502 Bcf and average daily gas production rate of 1376.99 MMcfd. In average per well gas production of IOCs wells is much higher than that of the national companies. IOCs produce 1376.99 MMcfd using 32 wells and average per well production of IOCs well is 43.03 MMcfd. Maximum productions was 97.71 MMcfd from Bibiyana well 10. During the year 2365.19 thousand bbl condensate was recovered by the IOCs and average daily recovery of condensate was 6.48 thousand bbl per day.

4.1 Chevron Bangladesh:

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 gas produced 463.40 Bcf and average daily gas production was 1269.59 MMcfd. In addition to gas, this company producer 2253.24 thousand bbl condensate was recovered.

4.1.1 Bibiyana Gas field: During the year Bibiyana Gas field gas Produced 354.50 Bcf and average daily gas production rate of 971.23 MMcfd. In addition to gas, from this field during the year 1654.17 thousand bbl 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 gas produced 88.50 Bcf and average daily gas production rate of 242.46 MMcfd. In addition to gas, from this field during the year 597.10 thousand bbl condensate was also recovered.

4.1.3 Moulavi Bazar gas field: During the year Moulavi Bazar gas field gas produced 20.40 Bcf and average daily gas production rate of 75.84 MMcfd. In addition to gas, from this field during the year 1.98 thousand bbl condensate was also recovered.

4.2 Tullow Bangladesh Limited:

4.2.1 Bangura gas field: Tullow Oil operates Bangura gas field. During the year Bangura gas field gas produced 39.20 Bcf and average daily gas production rate of 107.40 MMcfd. In addition to gas, from this field during the year 111.95 thousand bbl condensate was also recovered.

4.3 Santos Bangladesh Limited

4.3.1 Sangu gas field: Sangu is the lone offshore gas field operated by Santos from Australia. During the year Sangu gas field is struggling and may shut down to October 2013.

5.0 Gas Supply and Production: During the year gas production logged 893.50 Bcf and average daily gas production was 2447.95 MMcfd. Sector wise gas consumption during the year 877.22 Bcf and average daily gas supply rate of 2403.34 MMcfd is shown as Table No 14 Figure No 31 & 32

Major Four Gas field Producer in FY 2014-2015

Table:1

| SI No. | Name of Gas field | Bcf | MMcfd |
|---------------|--------------------------|------------|--------------|
| 1. | Habiganj Gas field | 81.60 | 223.56 |
| 2. | Titas Gas field | 188.50 | 516.44 |
| 3. | Bibiyana Gas field | 354.50 | 971.23 |
| 4. | Jalalabad Gas field | 88.50 | 242.47 |
| Total | | 713.10 | 1953.70 |

Source: HCU Data bank

Figure No-1: Major Four Gas Field Producer

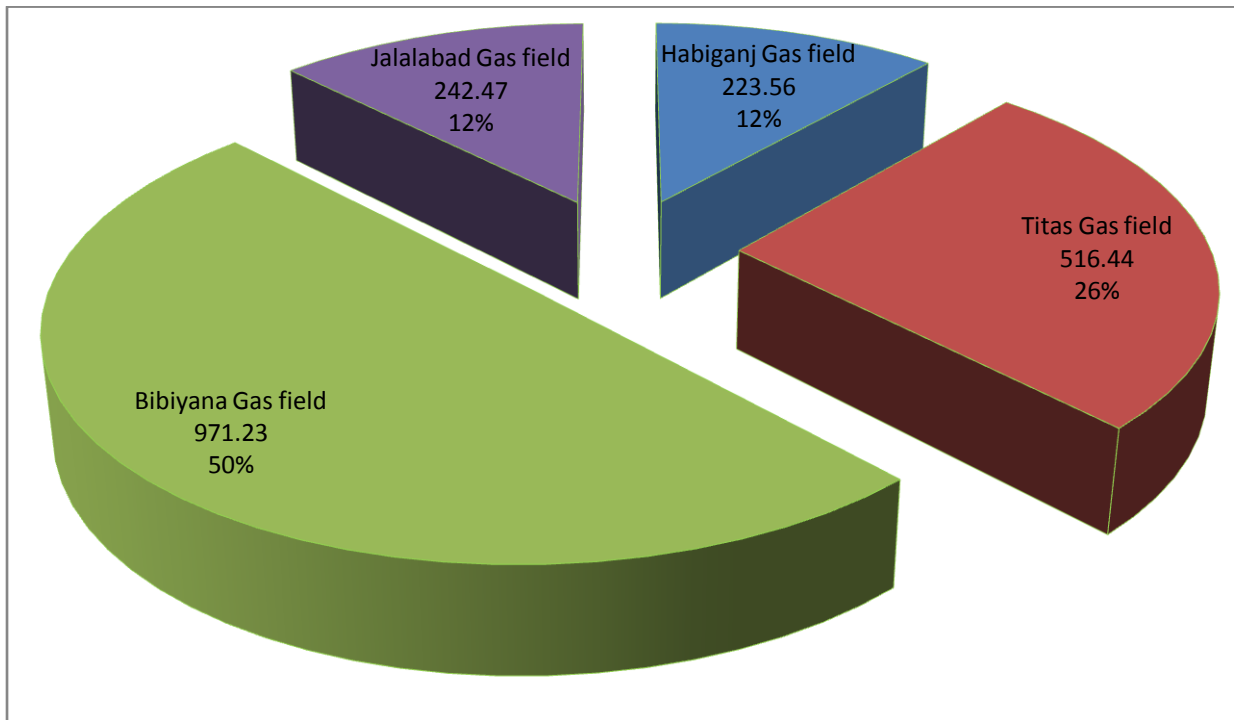
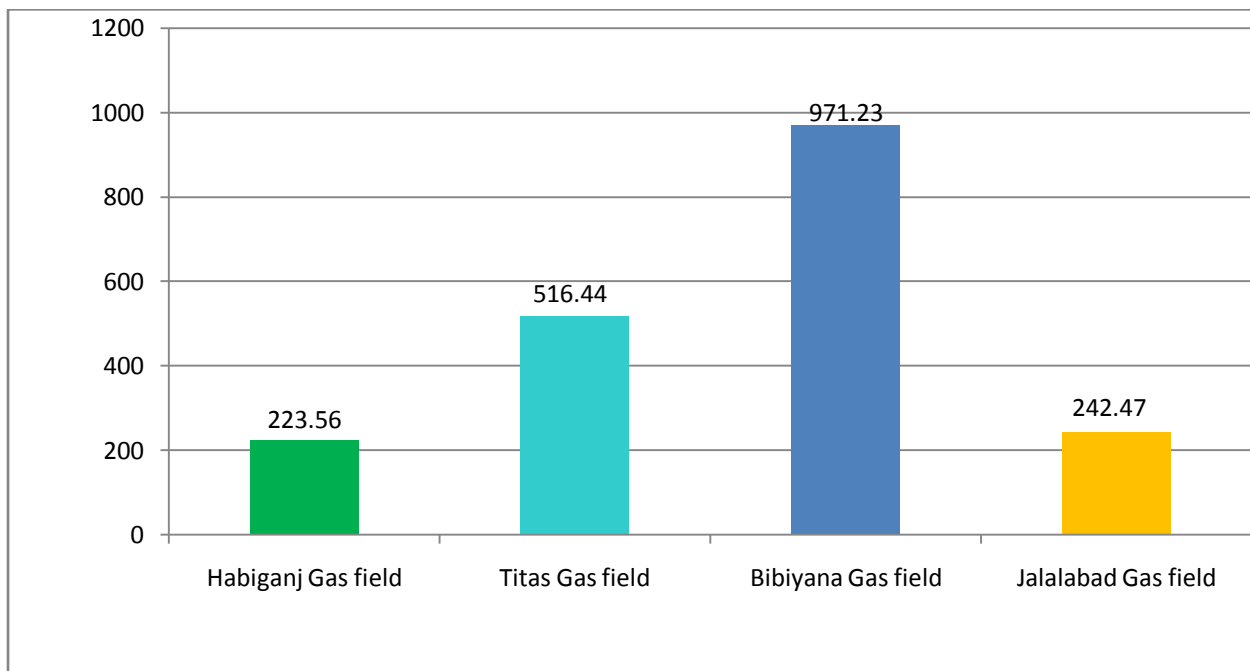


Figure No: 2 Major Four Gas Field Producers in MMcfd



Company wise Gas Producer in FY 2014-2015

Table:2

| SI No. | Name of Company | Bcf | MMcfd |
|--------|-----------------|--------|---------|
| 1. | BAPEX | 38.80 | 106.30 |
| 2. | BGFCL | 297.60 | 815.34 |
| 3. | Chevron | 463.40 | 1269.59 |
| 4. | SGFL | 54.50 | 149.32 |
| 5. | Tullow | 39.20 | 107.40 |
| Total | | 893.50 | 2447.95 |

Source: HCU Data bank

Figure No: 3 Company Wise Gas Producers

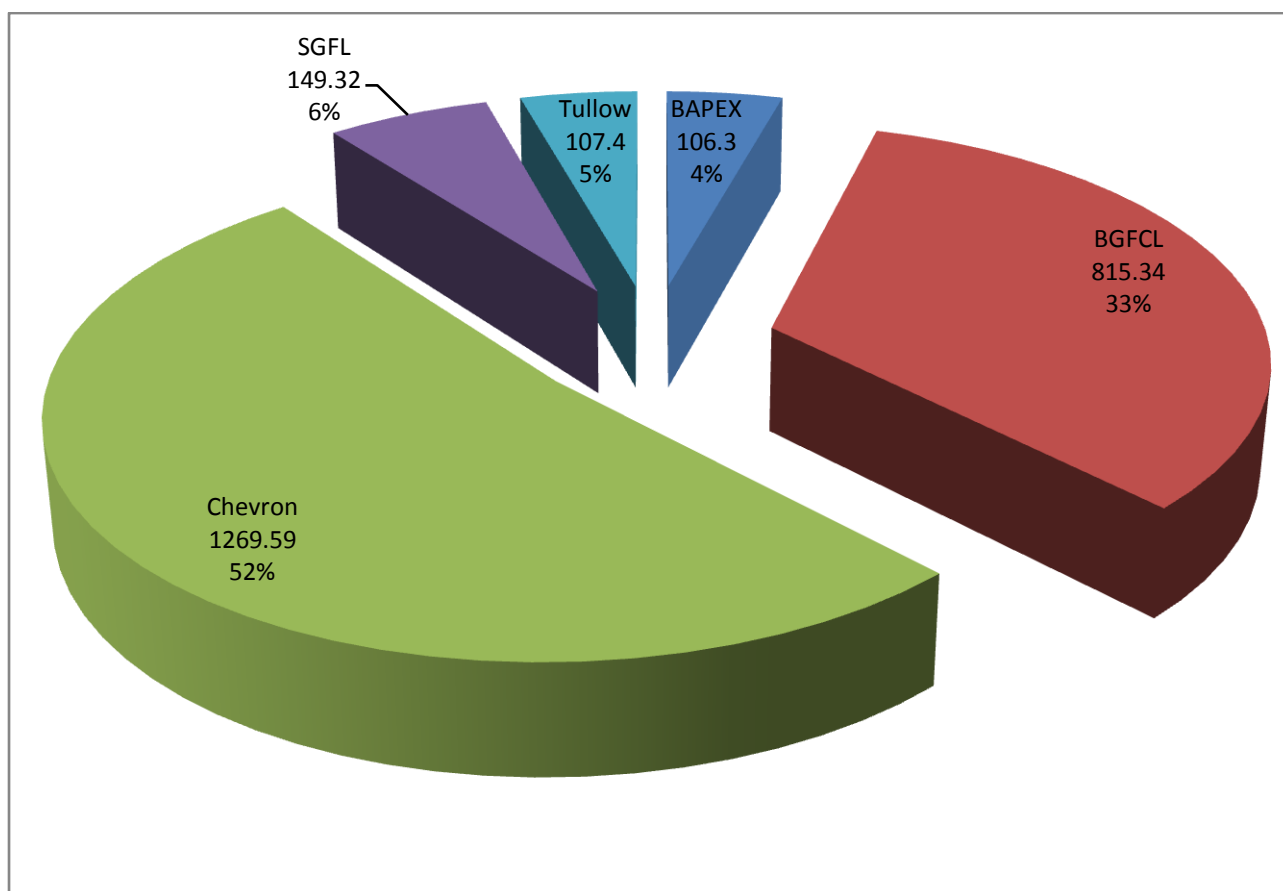
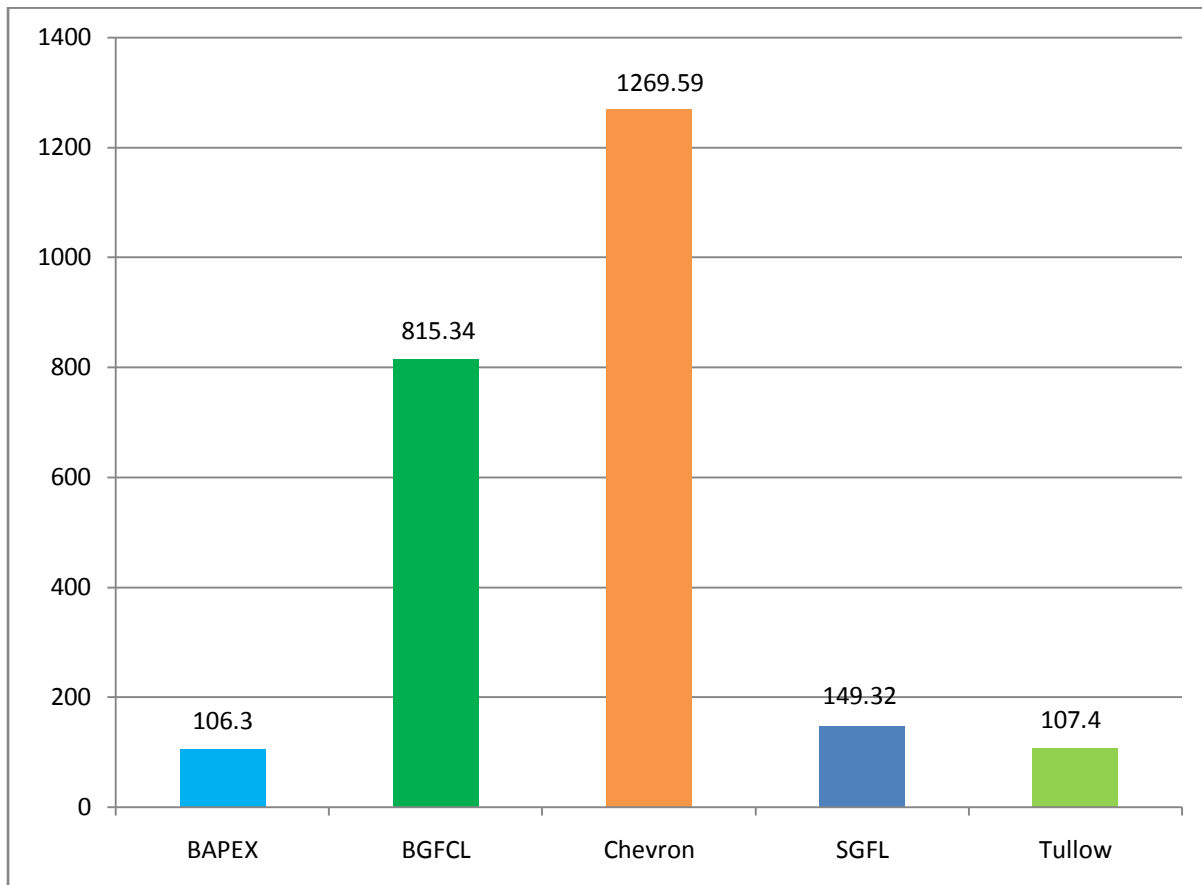


Figure No: 4 Company Wise Gas Producers in MMcfd



Field wise Gas Production in FY 2014-2015:

Table:3

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|---------------------|--------|---------|
| 1. | Begumganj | 0.50 | 1.37 |
| 2. | Shahbazpur | 2.90 | 7.95 |
| 3. | Semutang | 1.90 | 5.20 |
| 4. | Fenchuganj | 13.90 | 38.08 |
| 5. | salda Nadi | 3.90 | 10.69 |
| 6. | Srikail | 14.50 | 39.73 |
| 7. | Sundalpur | 1.20 | 3.29 |
| 8. | Meghna | 3.50 | 9.59 |
| 9. | Narshingdi | 10.20 | 27.95 |
| 10. | Habiganj Gas field | 81.60 | 223.56 |
| 11. | Bakhrabad | 13.80 | 37.81 |
| 12. | Titas Gas field | 188.50 | 516.44 |
| 13. | Bibiyana Gas field | 354.50 | 971.23 |
| 14. | Moulavi Bazar | 20.40 | 55.89 |
| 15. | Jalalabad Gas field | 88.50 | 242.46 |
| 16. | Kailas Tila | 26.50 | 72.60 |
| 17. | Sylhet | 3.30 | 9.04 |
| 18. | Rashidpur | 21.10 | 57.81 |
| 19. | Beani Bazar | 3.60 | 9.86 |
| 20. | Bangura | 39.20 | 107.40 |
| Total | | 893.50 | 2447.95 |

Source: HCU Data bank

Figure No: 5 Field Wise Gas Productions

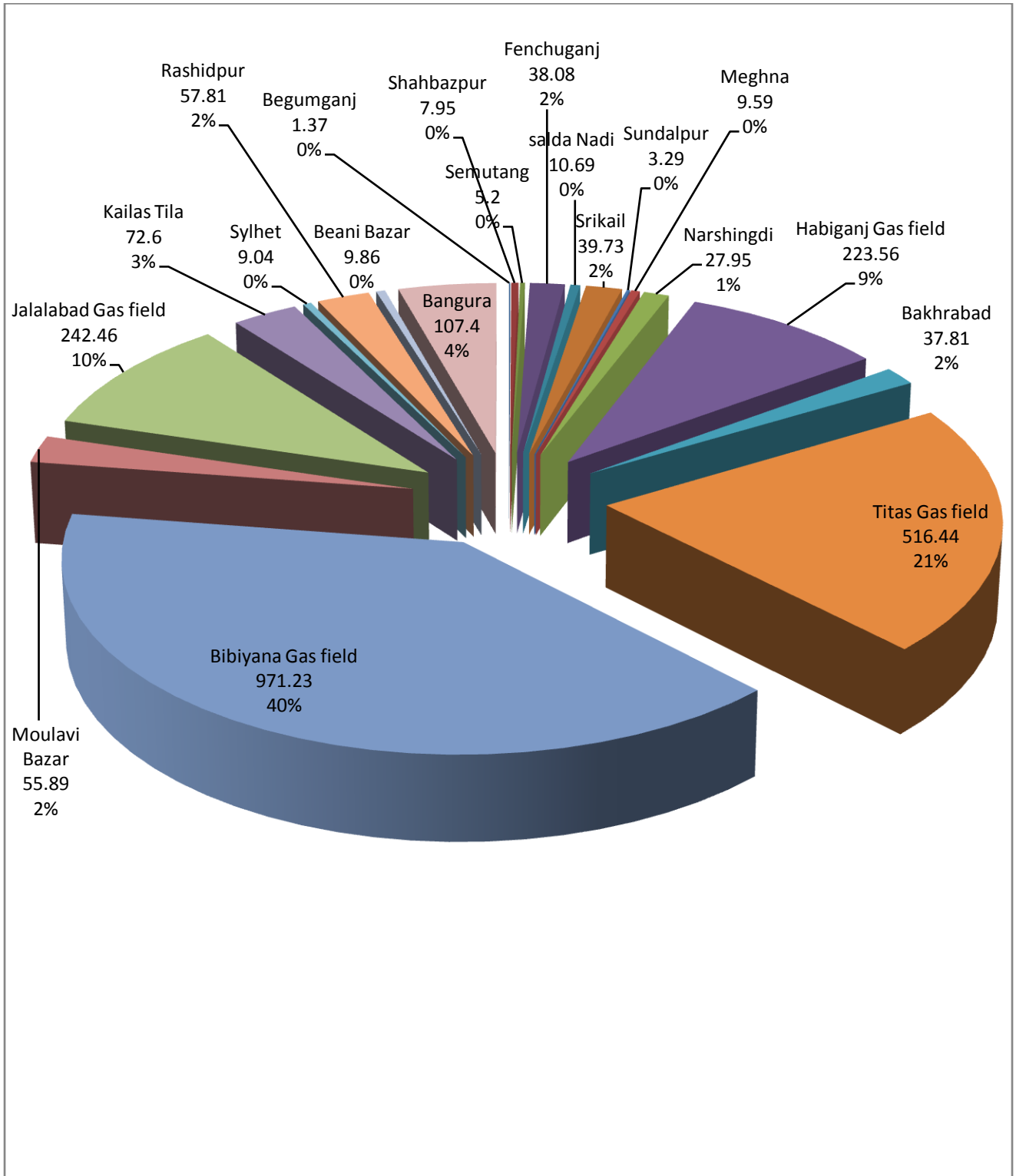
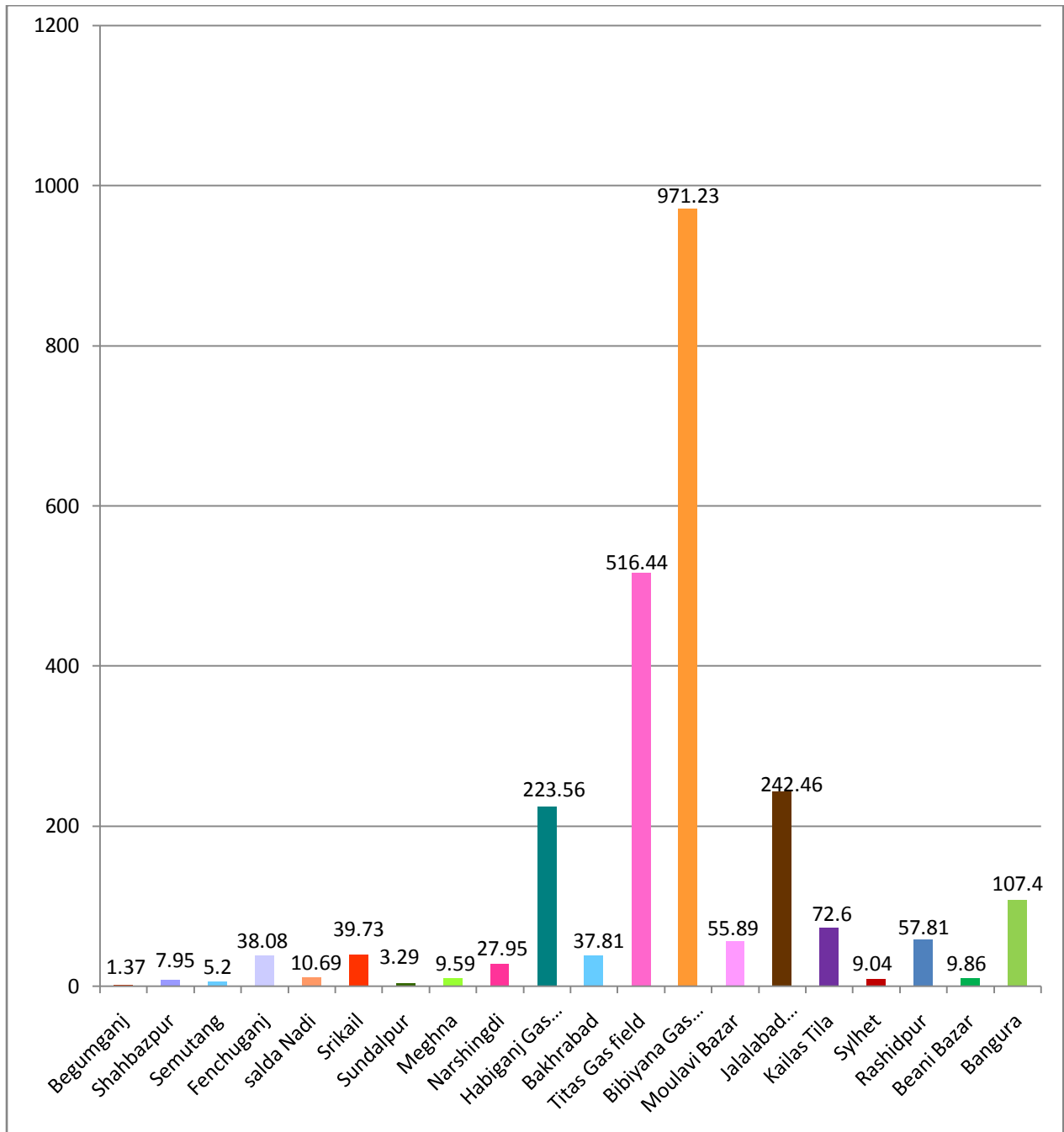


Figure No: 6 Field Wise Gas Productions in MMcfd



Fieldwise Condensate Recovery in FY 2014-2015

Table No: 4

| SI No. | Name of Gas field | bbl/year | bbl/month | bbl/day |
|--------|---------------------|-----------|-------------|----------|
| 1. | Begumganj | 100 | 8.33 | 0.27 |
| 2. | Shahbazpur | 194 | 16.17 | 0.53 |
| 3. | Semutang | 466 | 38.83 | 1.28 |
| 4. | Fenchuganj | 9407 | 783.92 | 25.27 |
| 5. | salda Nadi | 658 | 54.83 | 1.80 |
| 6. | Srikail | 12205 | 1017.08 | 33.44 |
| 7. | Sundalpur | 46 | 3.83 | 0.13 |
| 8. | Meghna | 6475 | 539.58 | 17.74 |
| 9. | Narshingdi | 18630 | 1552.50 | 51.04 |
| 10. | Habiganj Gas field | 4029 | 335.75 | 11.04 |
| 11. | Bakhrabad | 5952 | 496.00 | 16.31 |
| 12. | Titas Gas field | 143912 | 11992.67 | 394.28 |
| 13. | Bibiyana Gas field | 1654170 | 137847.50 | 4531.97 |
| 14. | Moulavi Bazar | 1983 | 165.25 | 5.43 |
| 15. | Jalalabad Gas field | 597091 | 49757.58 | 1635.87 |
| 16. | Kailas Tila | 256996 | 21416.33 | 704.10 |
| 17. | Sylhet | 22253 | 1854.42 | 60.97 |
| 18. | Rashidpur | 19807 | 1650.58 | 54.27 |
| 19. | Beani Bazar | 56431 | 4702.58 | 154.61 |
| 20. | Bangura | 111945 | 9328.75 | 306.70 |
| Total | | 29,22,750 | 2,43,562.50 | 8,007.53 |

Source: HCU Data bank

Figure No: 7 Field Wise Condensate Recoveries BBL/Day

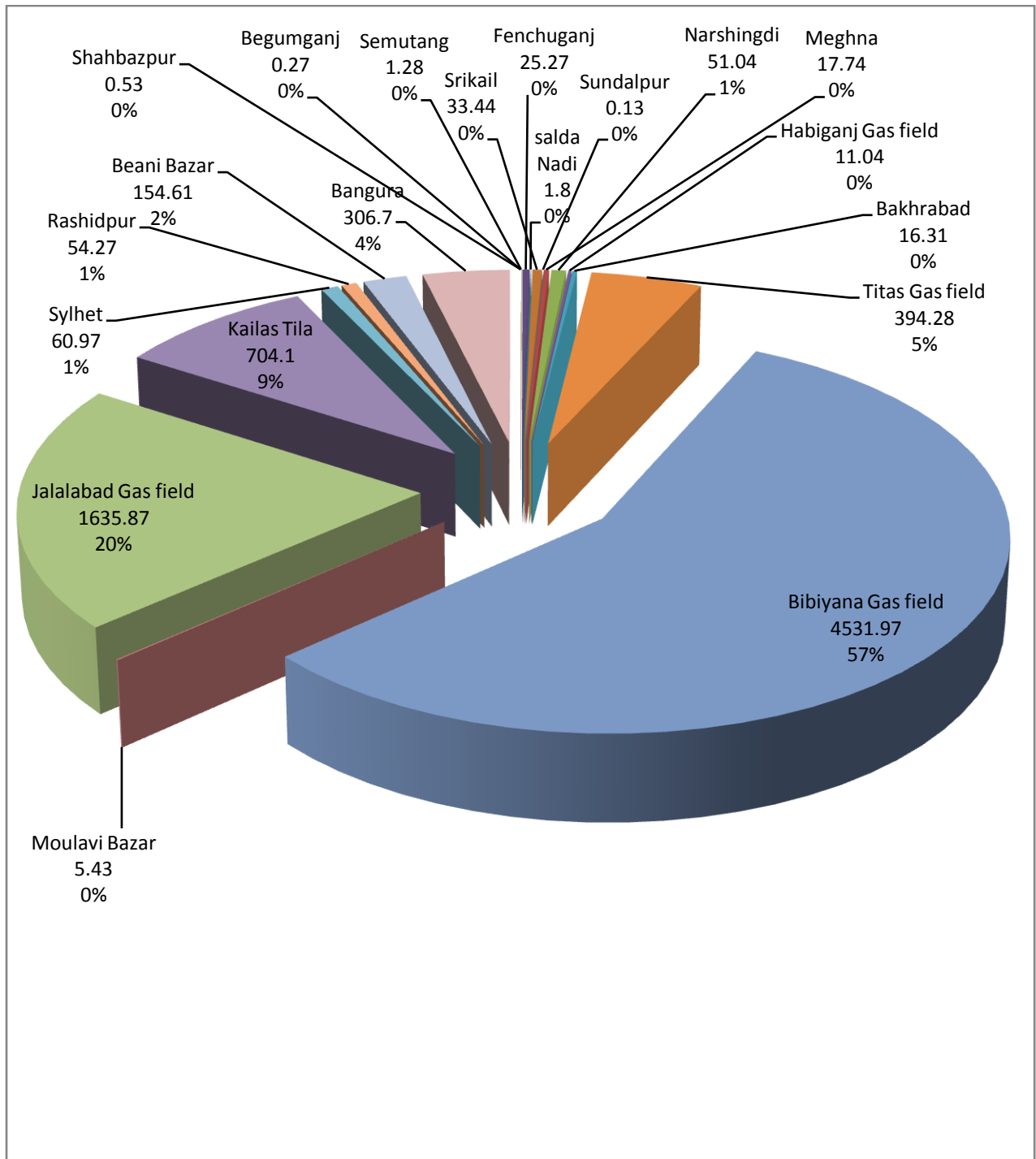
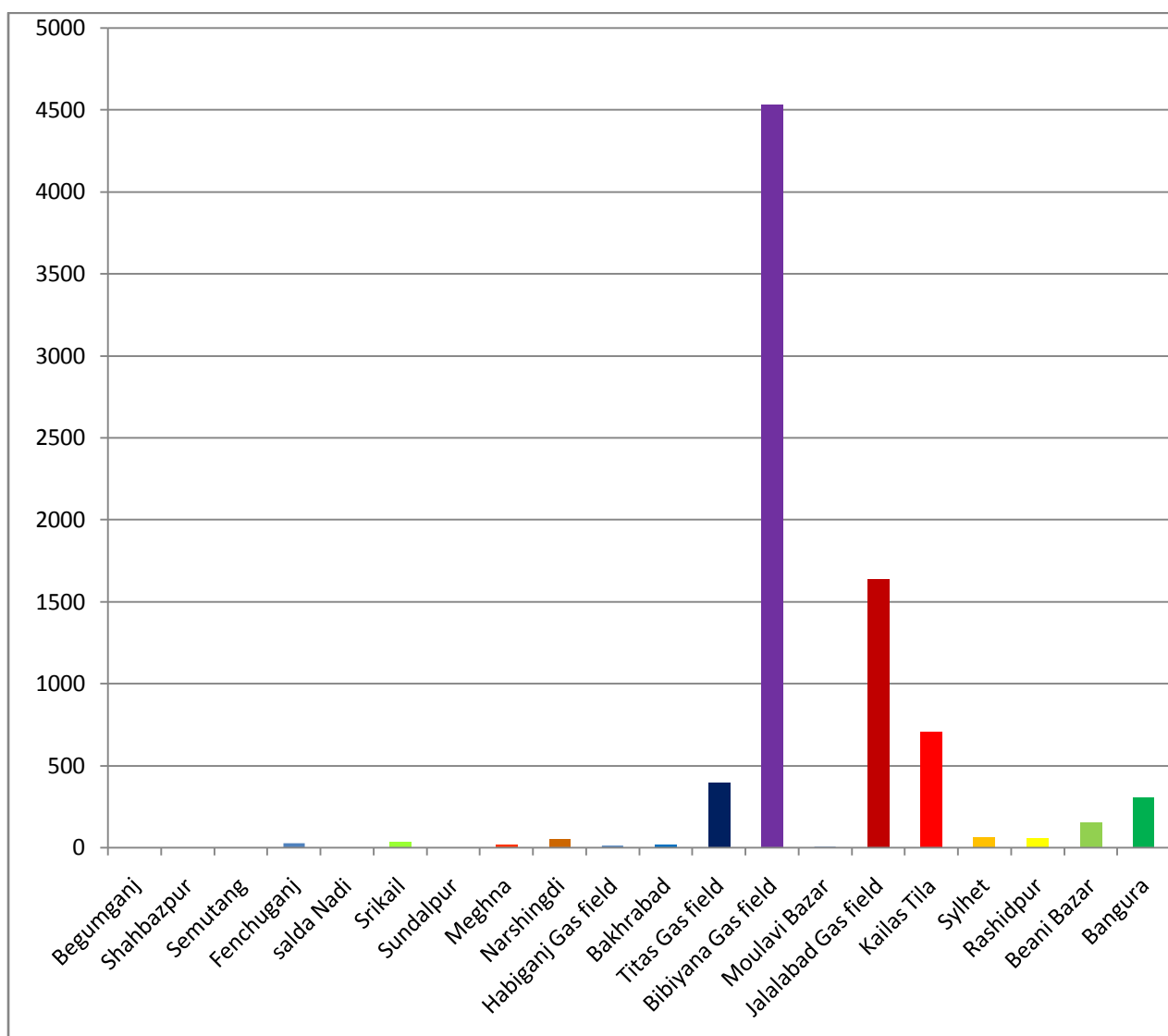


Figure No: 8 Field wise Condensate Recovery in bbl/day



Annual Recovery of Liquid in 1000 Liter FY 2014-2015

Table No: 5

| SI No. | Name of Product | Liter |
|--------|-----------------|------------|
| 1. | MS | 102865.547 |
| 2. | HSD | 75240.053 |
| 3. | SKO | 29331.810 |
| 4. | NGL | 27623.000 |
| 5. | Condensate | 507683.895 |
| Total | | 742744.305 |

Source: MIS Report, Petrobangla

Figure No: 9 Annual Recovery of Liquid in 1000 liter

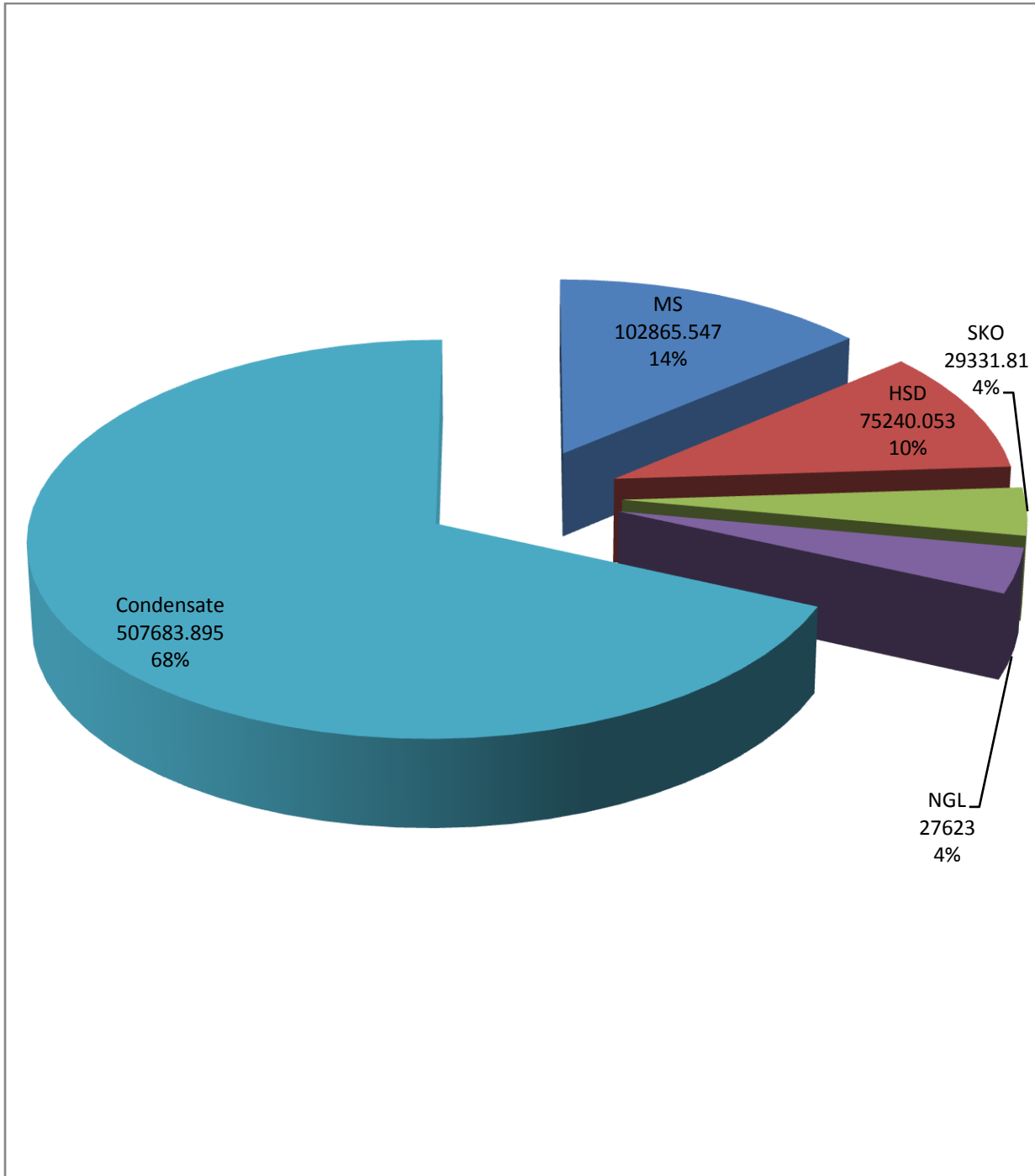
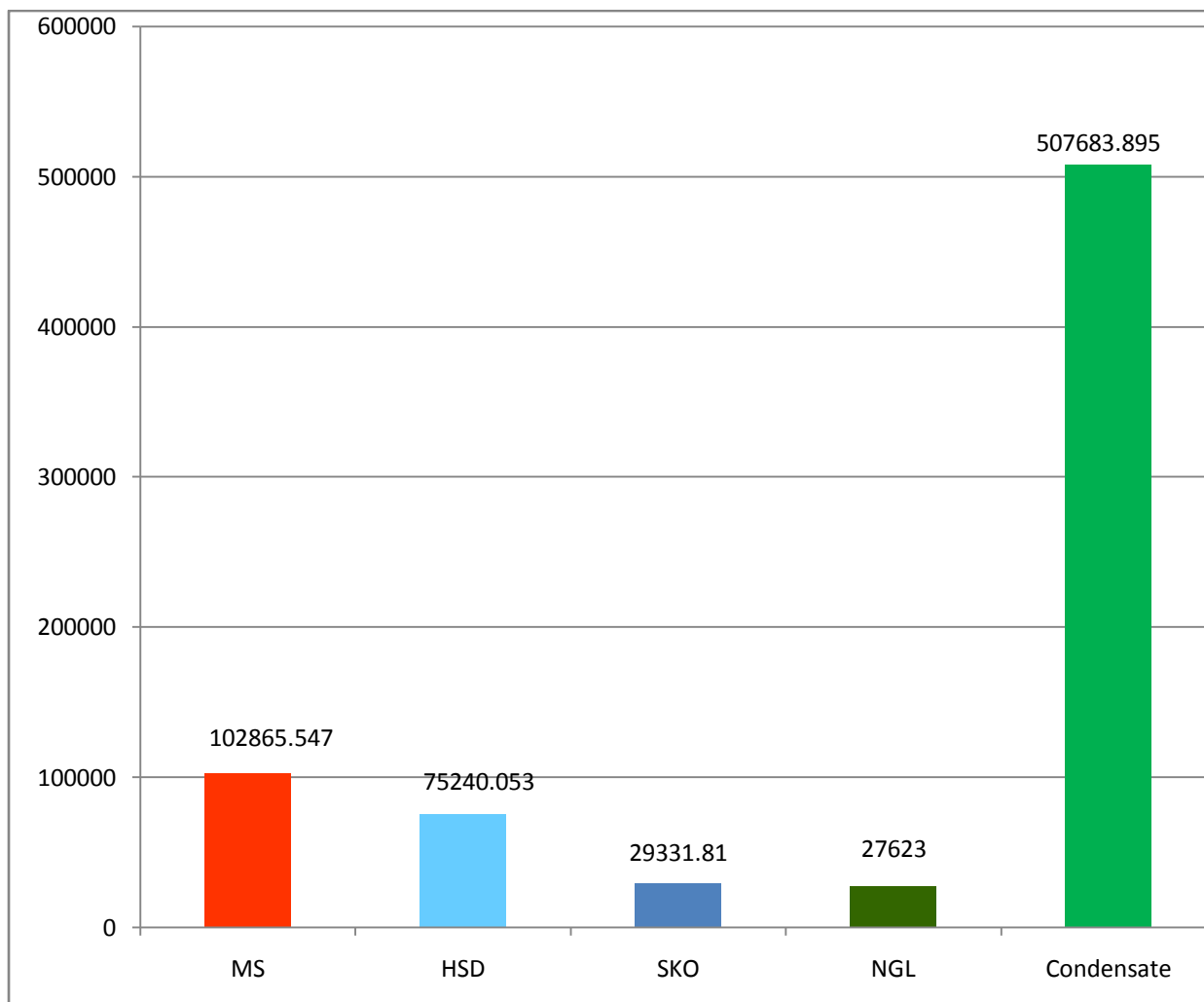


Figure No: 10 Annual Recovery of Liquid in 1000 liter



Comparison of Annual Gas Production by National Companies in FY 2014-2015

Table No: 6

| SI No. | Name of National Company | Bcf | MMcfd |
|--------|--------------------------|--------|---------|
| 1. | BAPEX | 38.80 | 106.30 |
| 2. | BGFCL | 297.60 | 815.34 |
| 3. | SGFL | 54.50 | 149.32 |
| Total | | 390.90 | 1070.96 |

Source: HCU Data bank

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

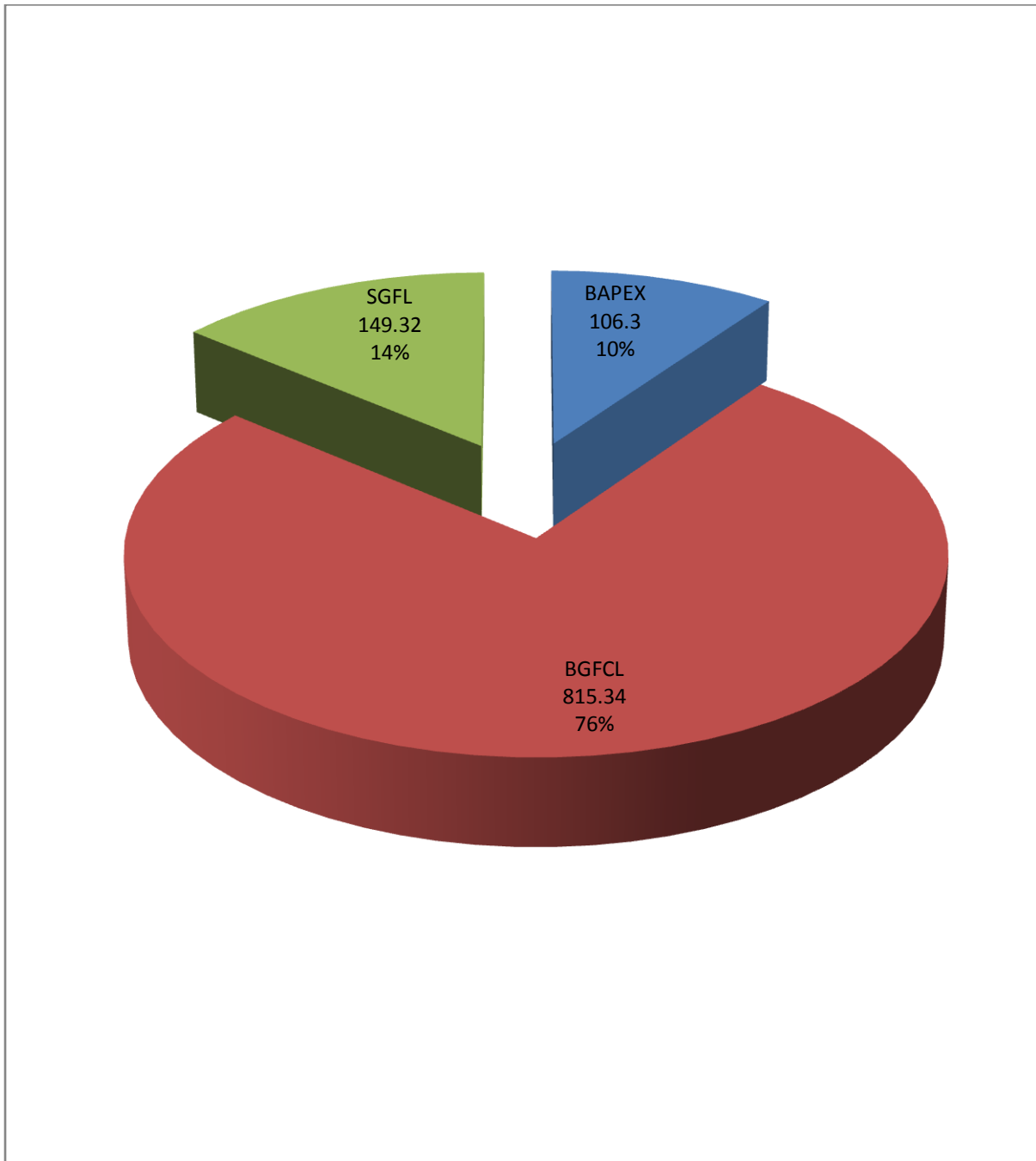
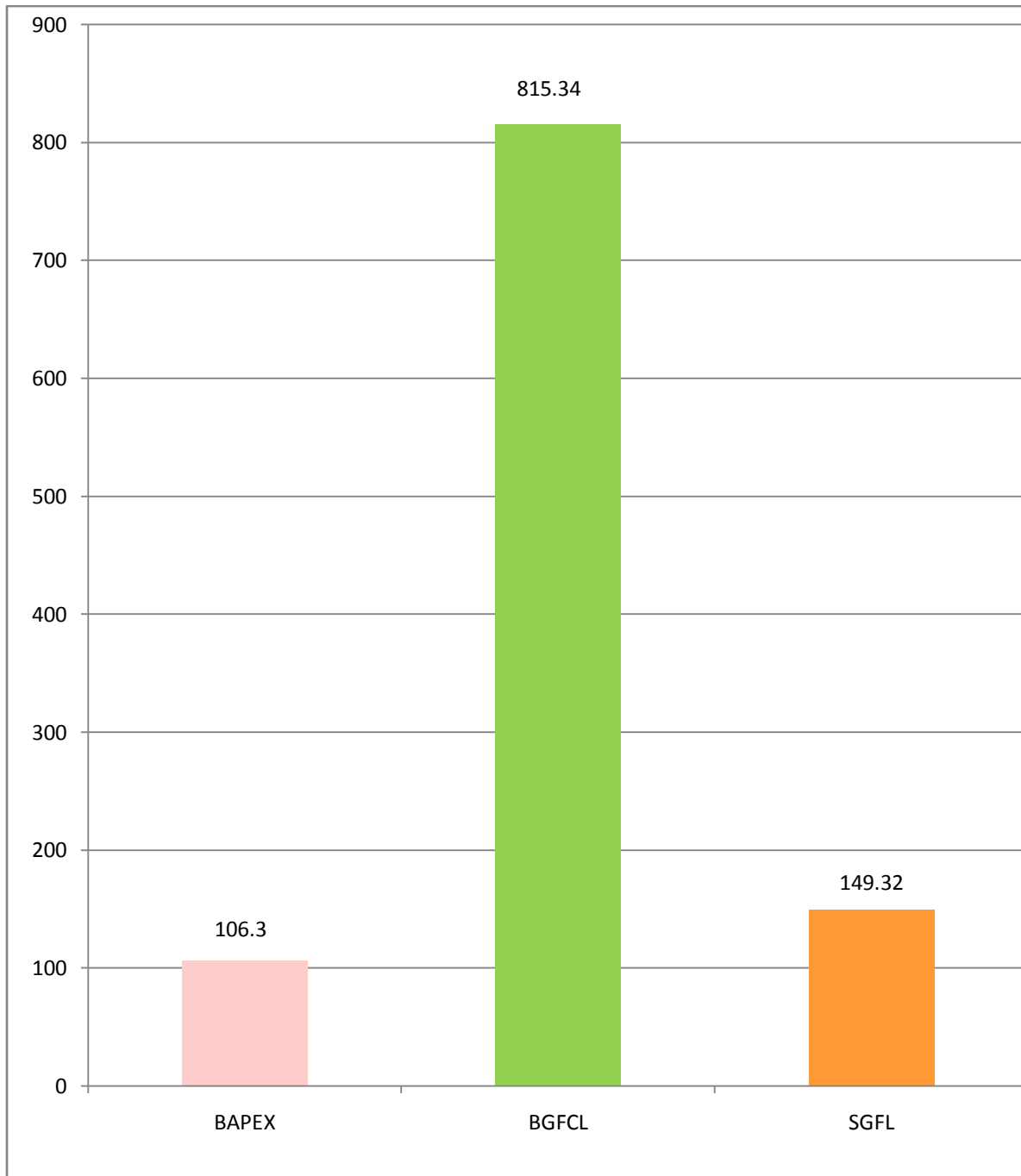


Figure No: 12 Gas productions by National Companies in MMcfd



Field wise Annual Gas Production of Gas Fields Under National Companies, FY 2014-15

Table No: 7

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|--------------------|--------|---------|
| 1. | Begumganj | 0.50 | 1.37 |
| 2. | Shahbazpur | 2.90 | 7.95 |
| 3. | Semutang | 1.90 | 5.20 |
| 4. | Fenchuganj | 13.90 | 38.08 |
| 5. | salda Nadi | 3.90 | 10.69 |
| 6. | Srikail | 14.50 | 39.73 |
| 7. | Sundalpur | 1.20 | 3.29 |
| 8. | Meghna | 3.50 | 9.59 |
| 9. | Narshingdi | 10.20 | 27.95 |
| 10. | Habiganj Gas field | 81.60 | 223.56 |
| 11. | Bakhrabad | 13.80 | 37.81 |
| 12. | Titas Gas field | 188.50 | 516.44 |
| 13. | Kailas Tila | 26.50 | 72.60 |
| 14. | Sylhet | 3.30 | 9.04 |
| 15. | Rashidpur | 21.10 | 57.81 |
| 16. | Beani Bazar | 3.60 | 9.86 |
| Total | | 390.90 | 1070.96 |

Source: HCU Data bank

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

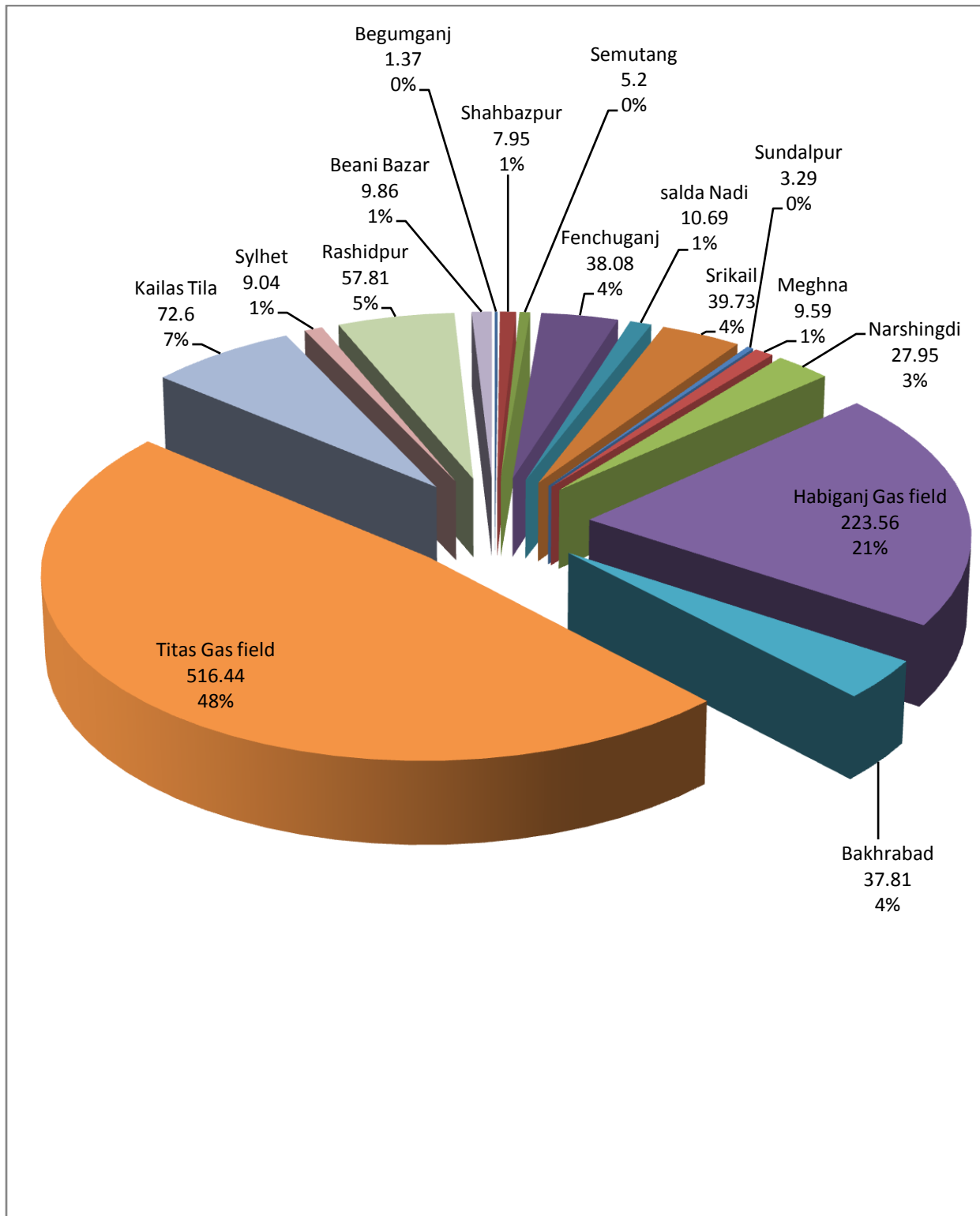
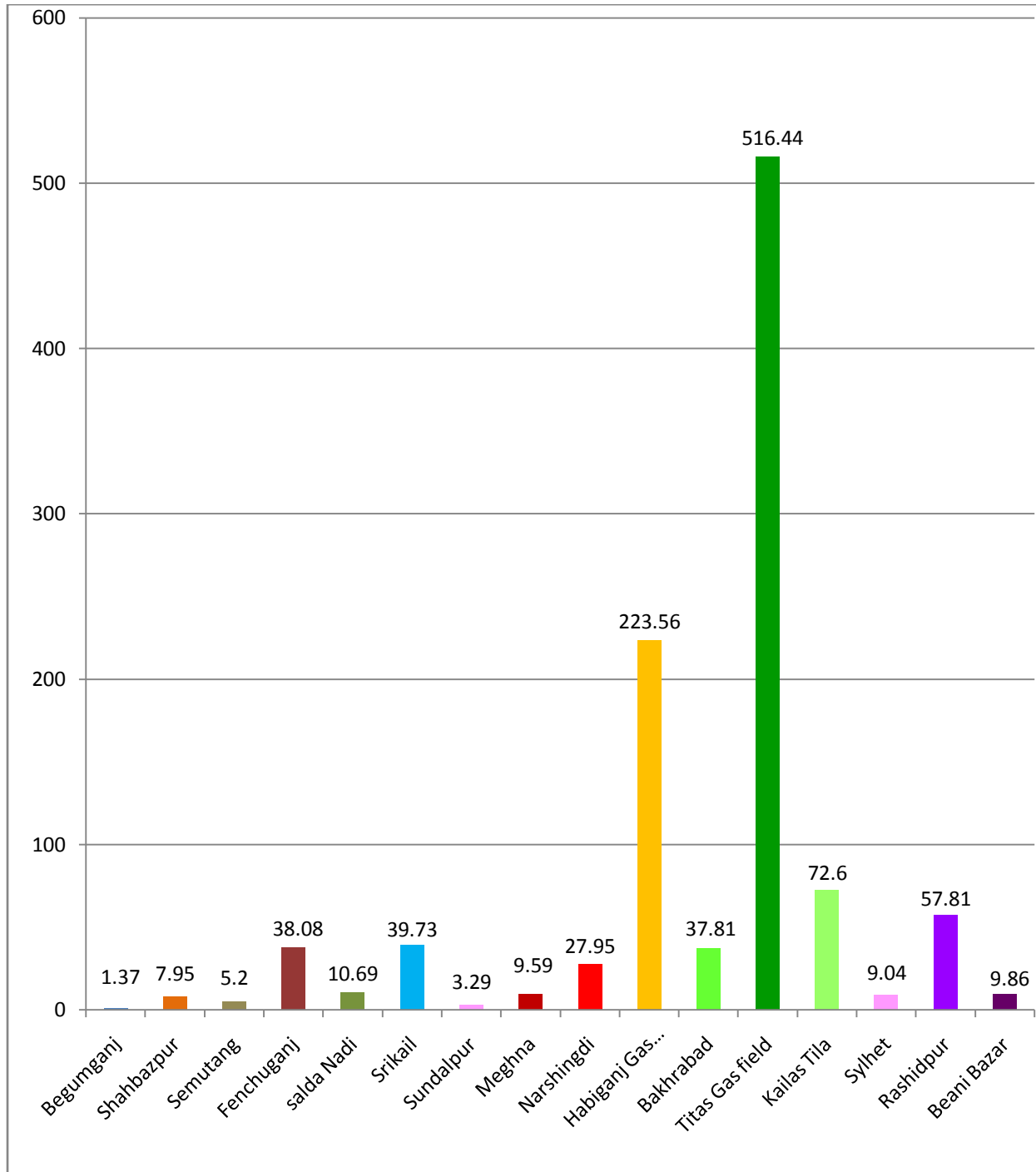
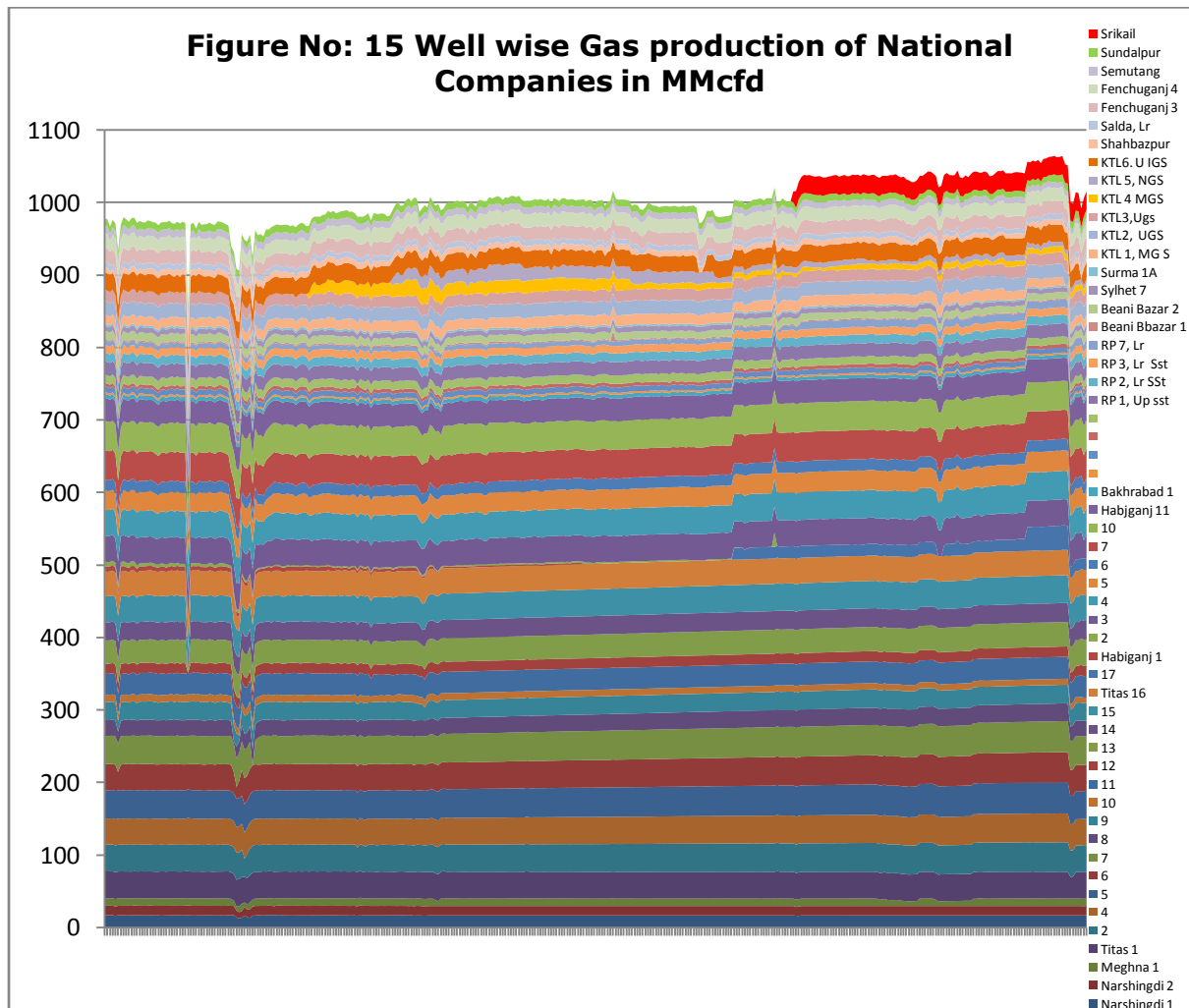


Figure No: 14 Field wise Gas production of National Companies in MMcfd





Field Wise Gas Production in BAPEX in FY 2014-15

Table No: 8

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|-------------------|-------|--------|
| 1. | Begumganj | 0.50 | 1.37 |
| 2. | Shahbazpur | 2.90 | 7.95 |
| 3. | Semutang | 1.90 | 5.20 |
| 4. | Fenchuganj | 13.90 | 38.08 |
| 5. | salda Nadi | 3.90 | 10.69 |
| 6. | Srikail | 14.50 | 39.73 |
| 7. | Sundalpur | 1.20 | 3.29 |
| | Total | 38.80 | 106.30 |

Source: HCU Data bank

Figure No: 16 Field wise Gas Production in BAPEX

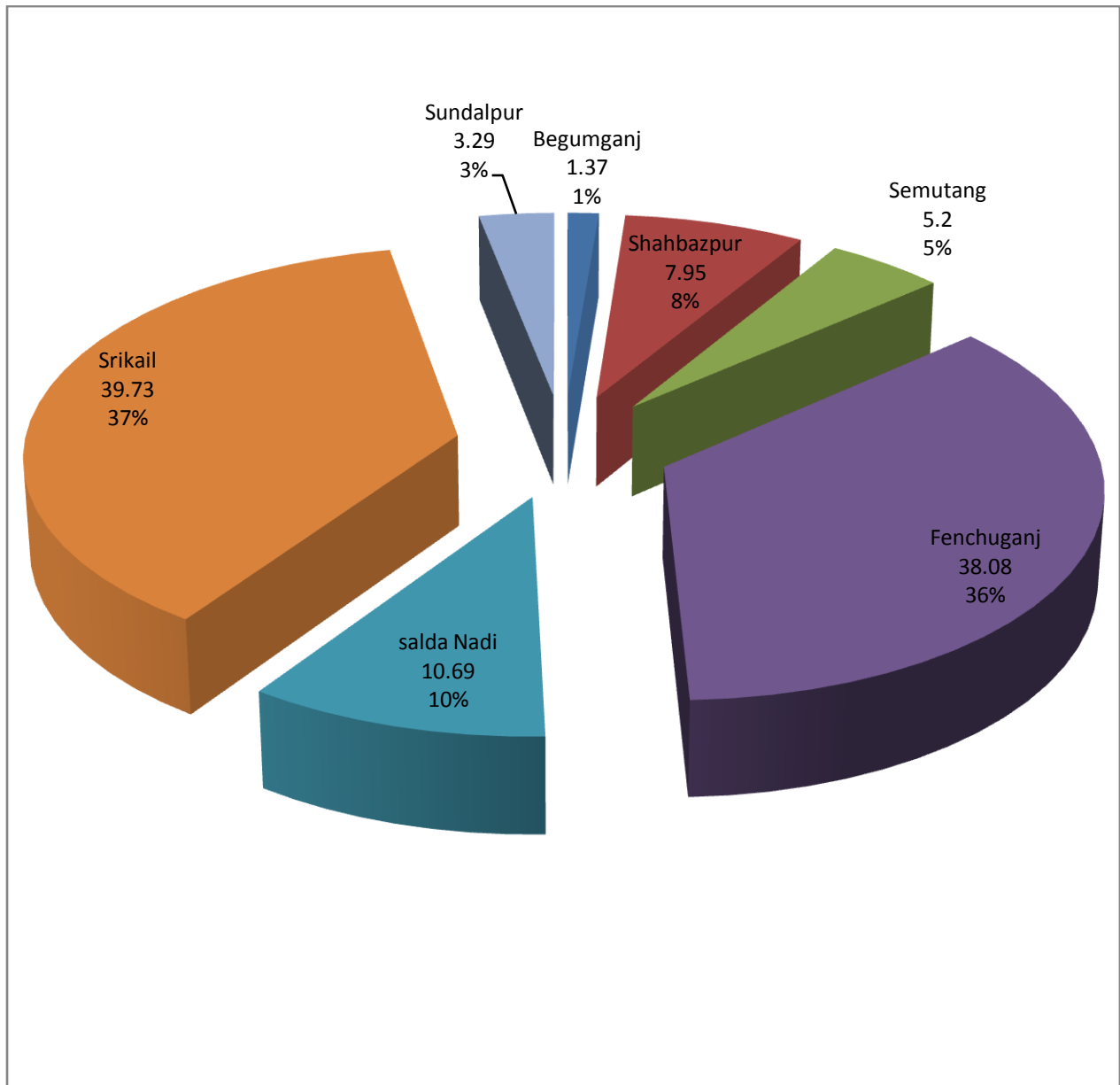
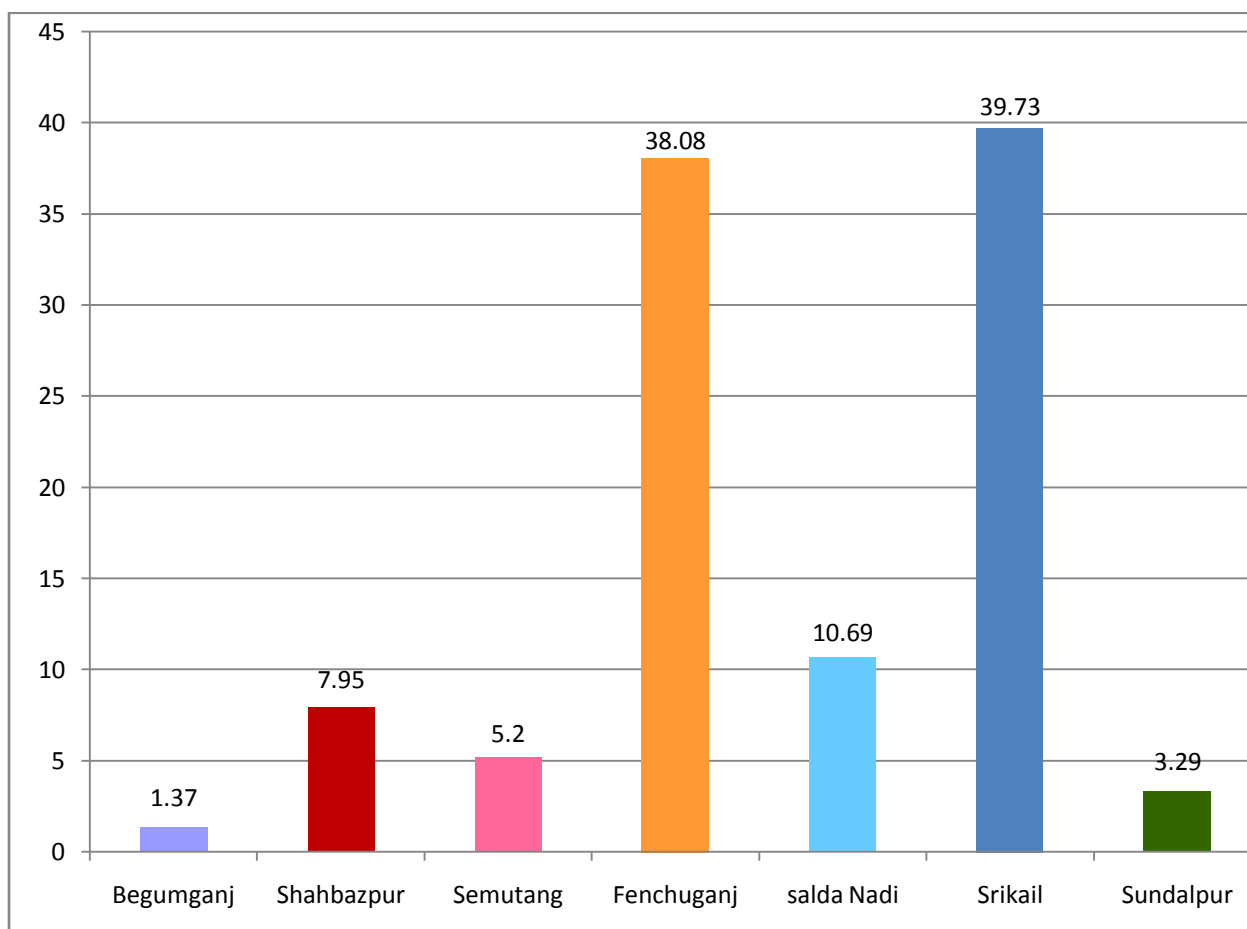


Figure No: 17 Field wise Gas Production in BAPEX in MMcfd



Field wise Gas Production in BGFCL in FY 2014-15

Table No: 9

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|--------------------|--------|--------|
| 1. | Meghna | 3.50 | 9.59 |
| 2. | Narshingdi | 10.20 | 27.95 |
| 3. | Habiganj Gas field | 81.60 | 223.56 |
| 4. | Bakhrabad | 13.80 | 37.81 |
| 5. | Titas Gas field | 188.50 | 516.44 |
| Total | | 297.60 | 815.34 |

Source: HCU Data bank

Figure No: 18 Field wise Gas Production in BGFCL

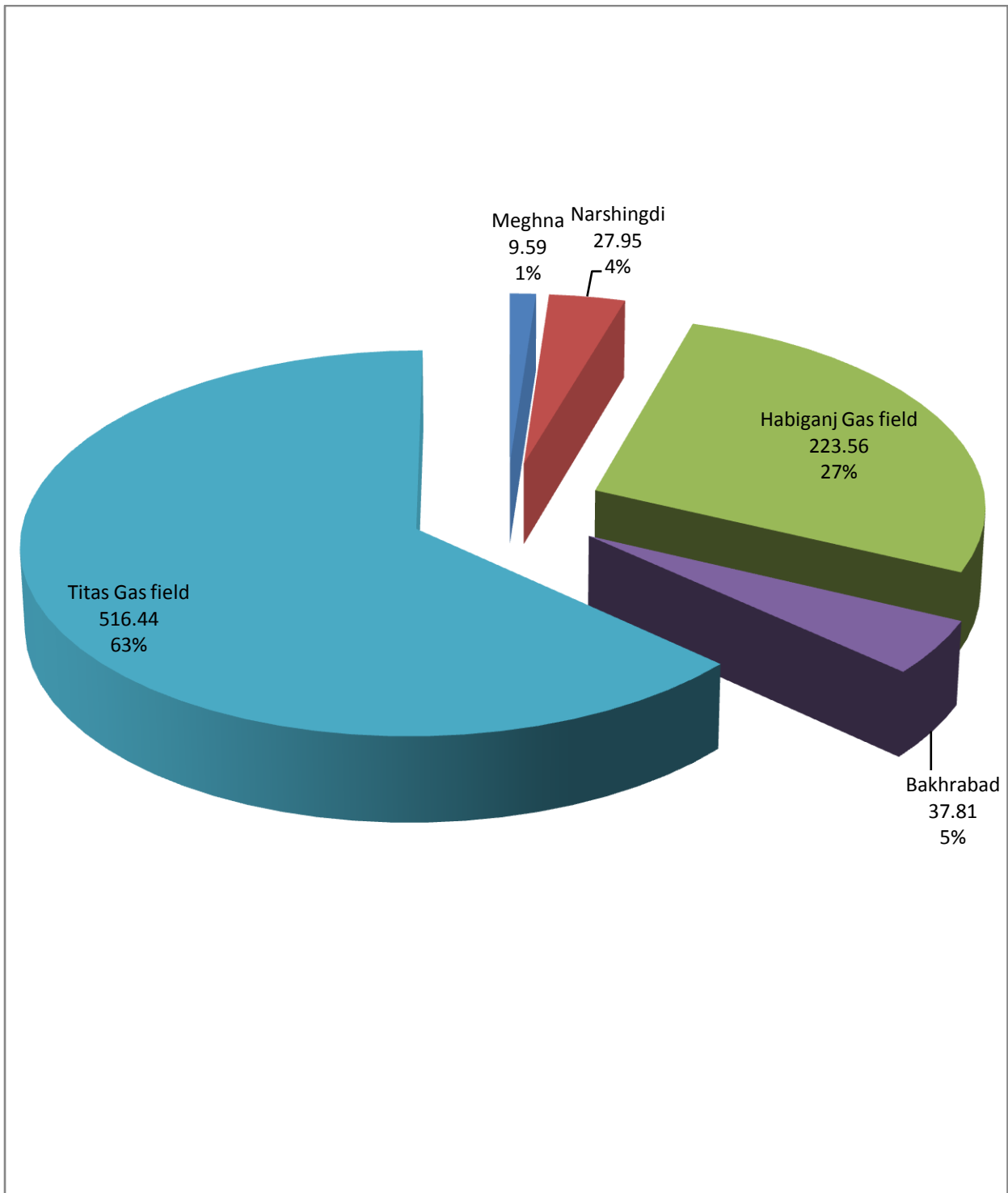
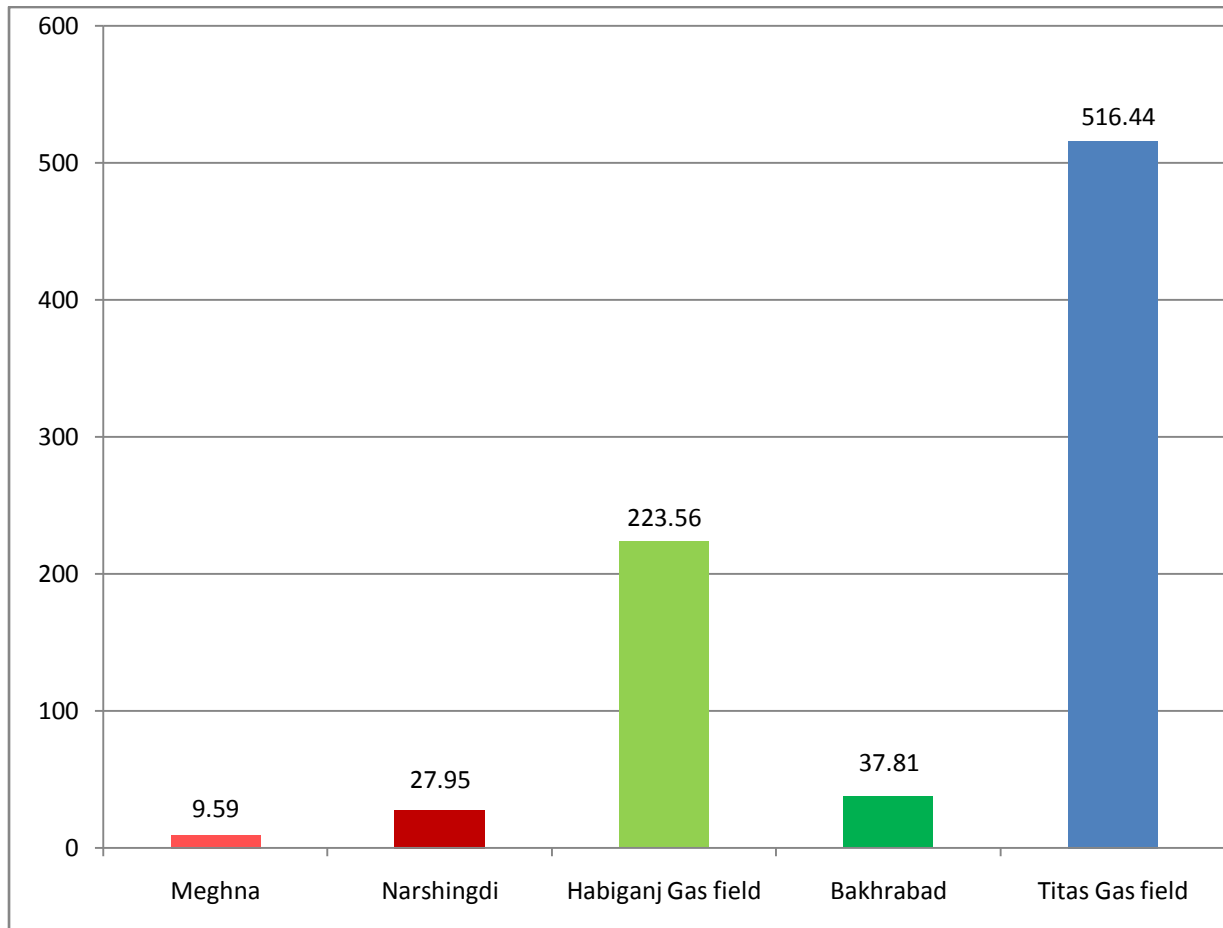


Figure No: 19 Field wise Gas Production in BGFCL in MMcfd



Field Wise Gas Production in SGFL FY 2014-15.

Table No: 10

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|-------------------|-------|--------|
| 1. | Kailas Tila | 26.50 | 72.60 |
| 2. | Sylhet | 3.30 | 9.04 |
| 3. | Rashidpur | 21.10 | 57.81 |
| 4. | Beani Bazar | 3.60 | 9.86 |
| Total | | 54.50 | 149.32 |

Source: HCU Data bank

Figure No: 20 Field wise Gas Production in SGFCL

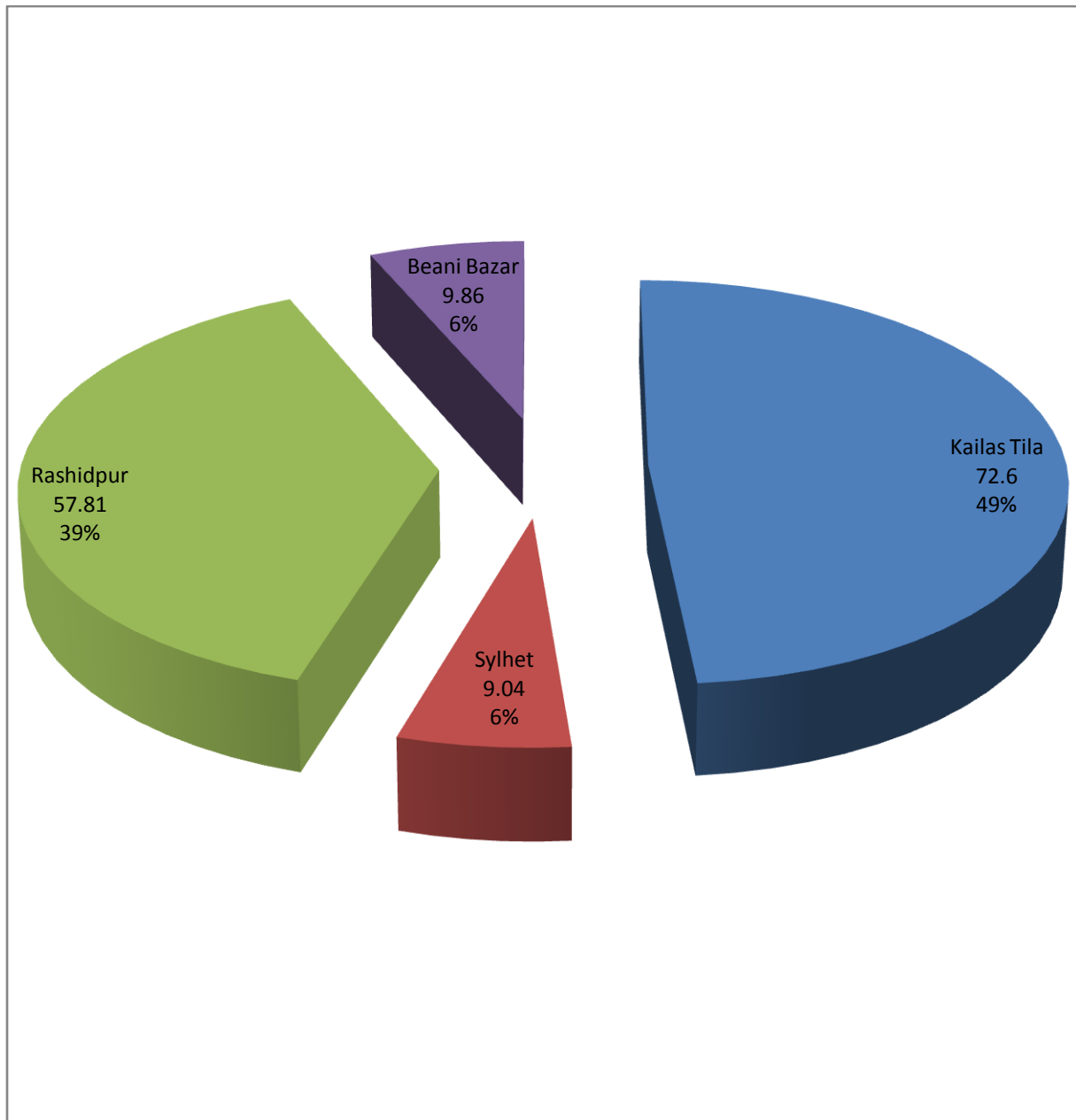
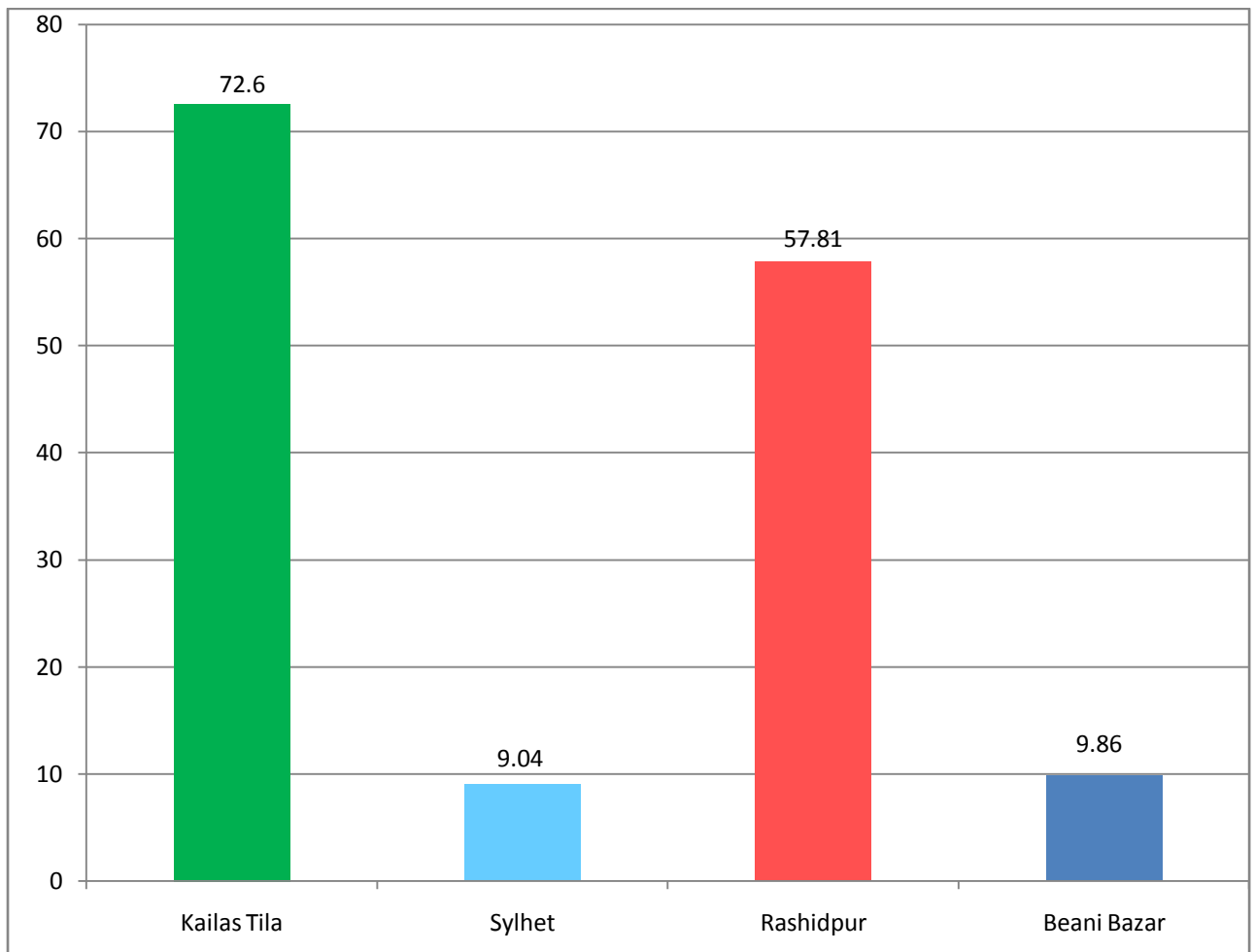


Figure No: 21 Field wise Gas Production in SGFCL in MMcfd



Comparison of Annual Gas Production by International Companies in FY 2014-20145

Table No: 11

| SI No. | Name of Company | Bcf | MMcfd |
|--------|-----------------|--------|---------|
| 1. | Chevron | 463.40 | 1269.59 |
| 2. | Tullow | 39.20 | 107.40 |
| Total | | 502.60 | 1376.99 |

Source: HCU Data bank

Figure No: 22 Comparison of Annual Gas Production by International Companies

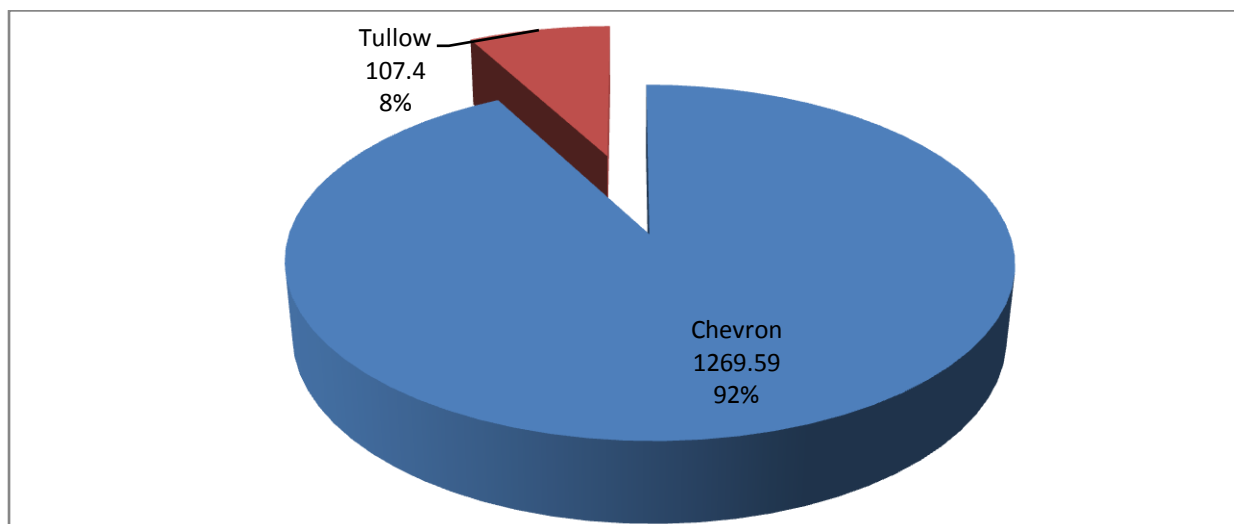
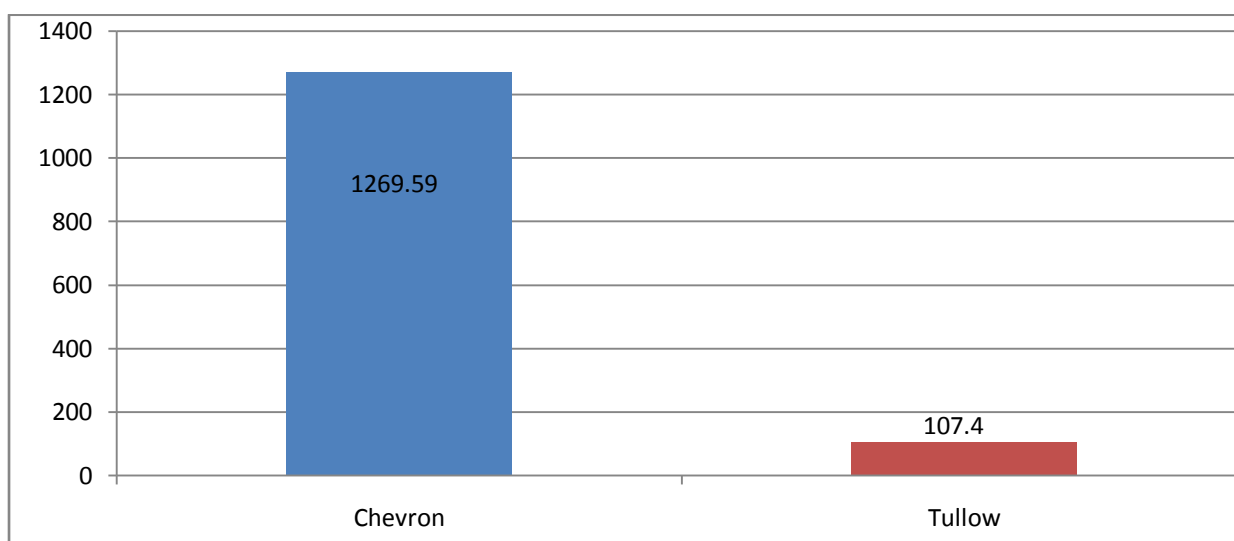


Figure No: 23 Gas Productions of International Companies in MMcfd



Field wise Gs Production by IOCs in FY 2014-15

Table No: 12

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|---------------------|--------|---------|
| 1. | Bibiyana Gas field | 354.50 | 971.23 |
| 2. | Moulavi Bazar | 20.40 | 55.89 |
| 3. | Jalalabad Gas field | 88.50 | 242.46 |
| 4. | Bangura | 39.20 | 107.40 |
| Total | | 502.60 | 1376.99 |

Source: HCU Data bank

Figure No: 24 Field wise Gas Production of IOCs

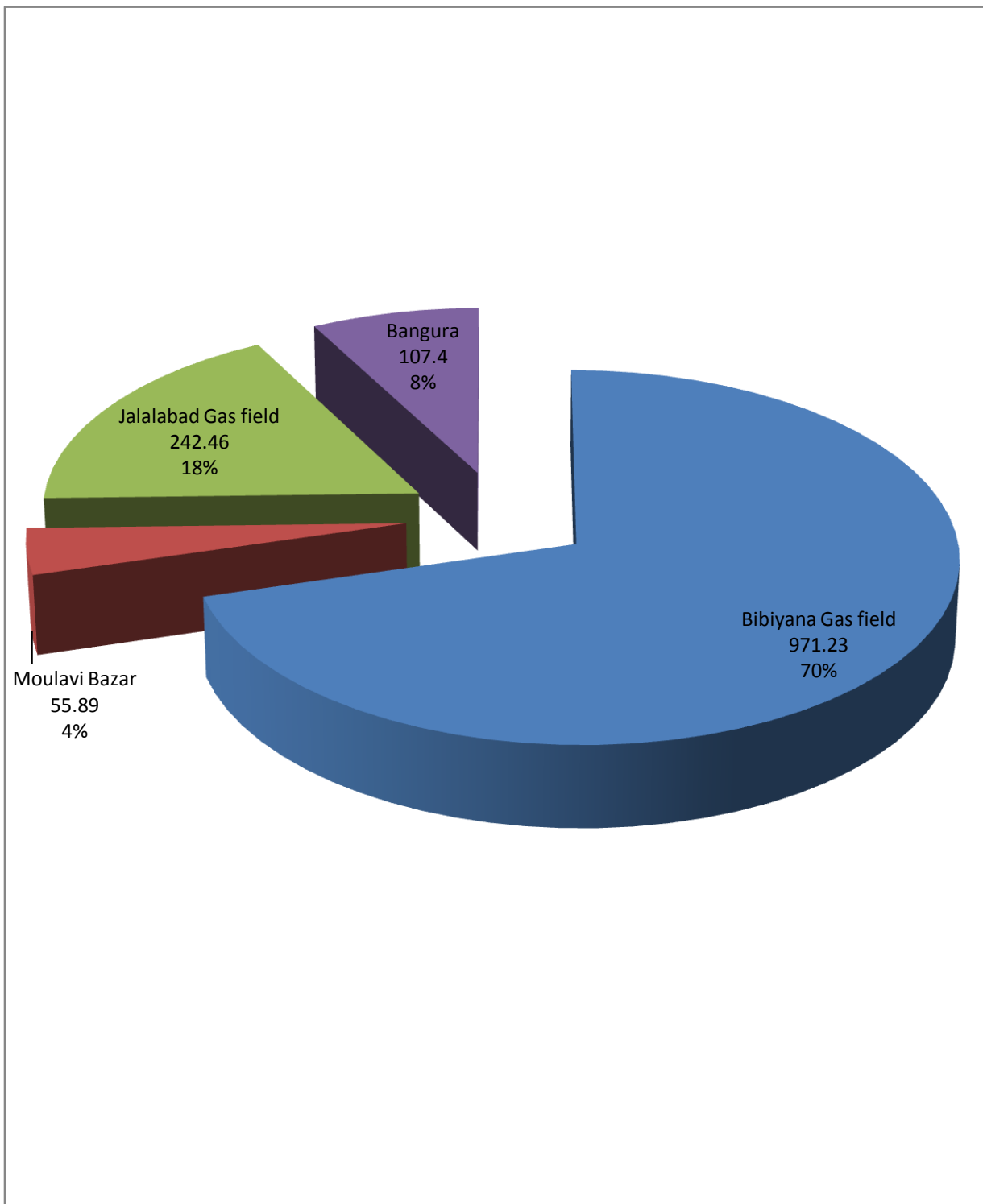
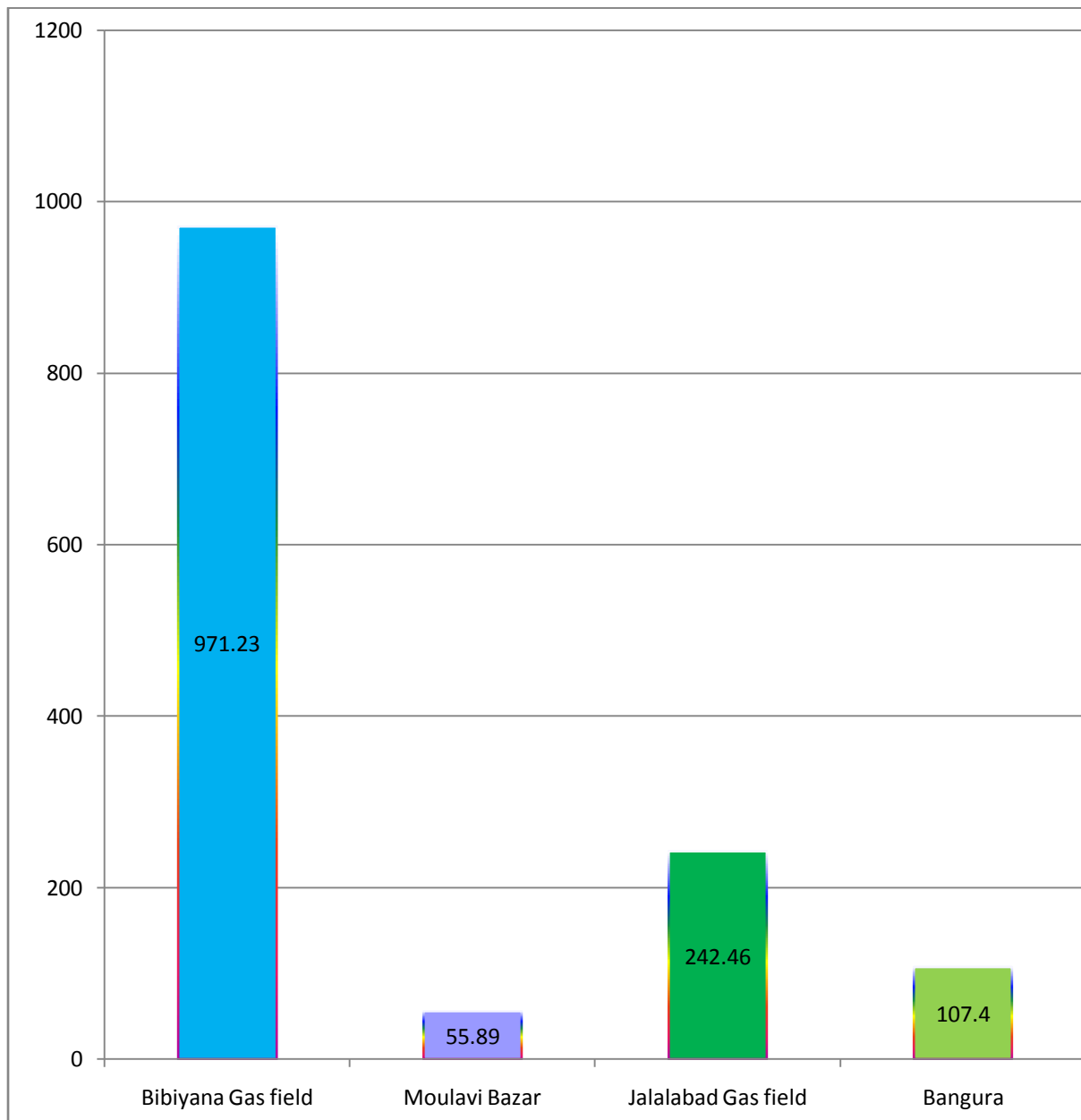
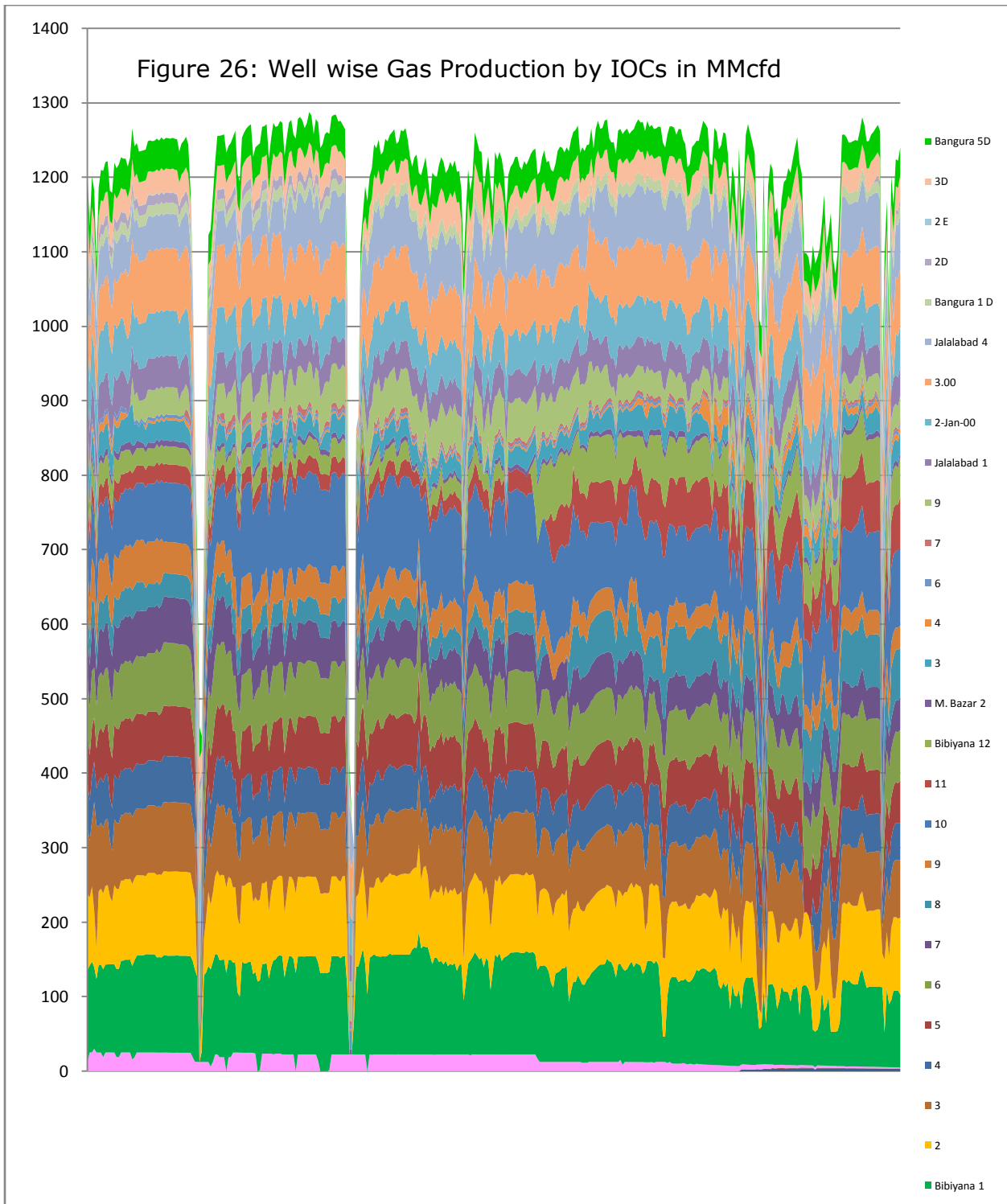
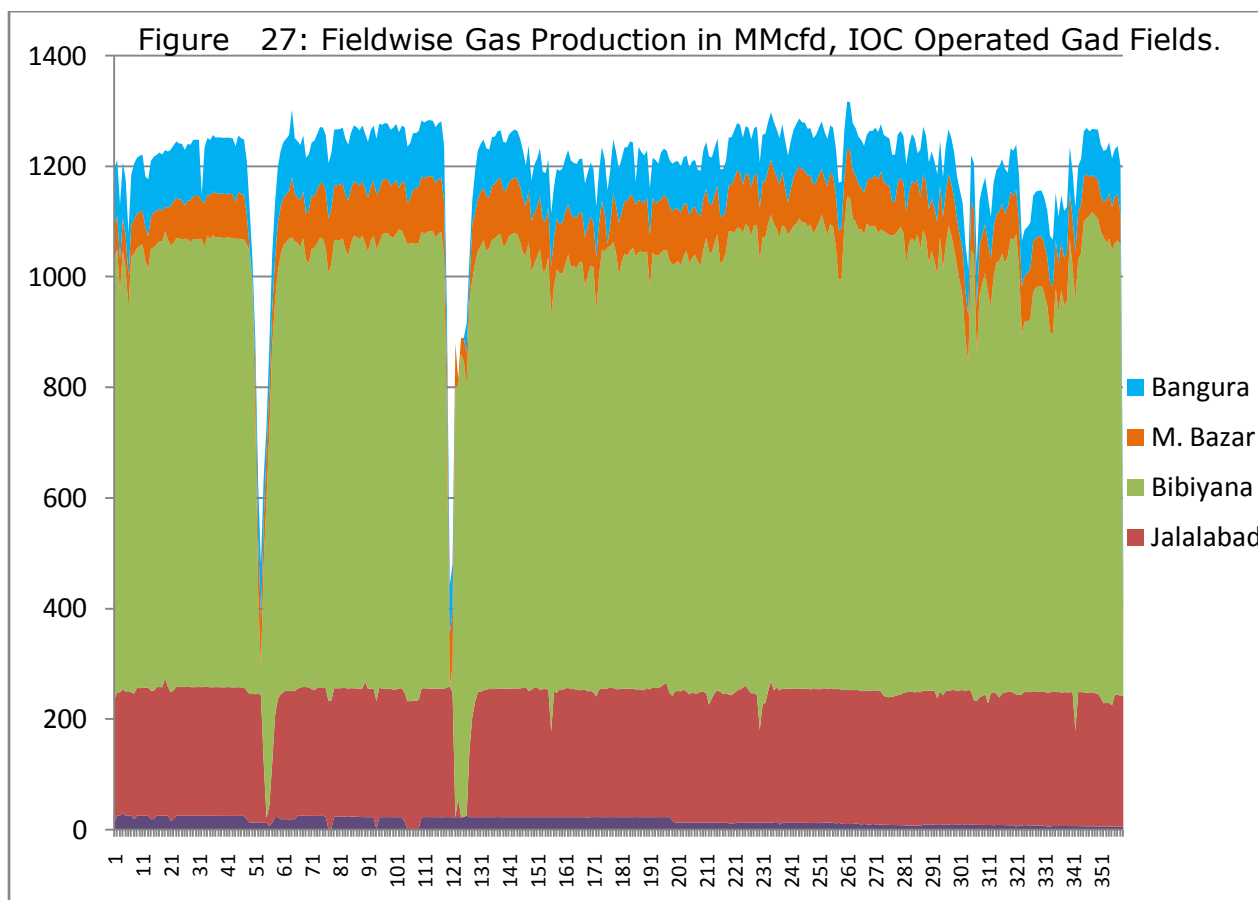


Figure No: 25 Field wise Gas Production of IOCs in MMcfd





July 2014- June 2015



Field wise Gas Production in Chevron Operated Gad Fields in FY 2014-2015

Table: 13

| SI No. | Name of Gas field | Bcf | MMcfd |
|--------|---------------------|--------|---------|
| 1. | Bibiyana Gas field | 354.50 | 971.23 |
| 2. | Moulavi Bazar | 20.40 | 55.89 |
| 3. | Jalalabad Gas field | 88.50 | 242.46 |
| Total | | 463.40 | 1269.59 |

Source: HCU Data bank

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

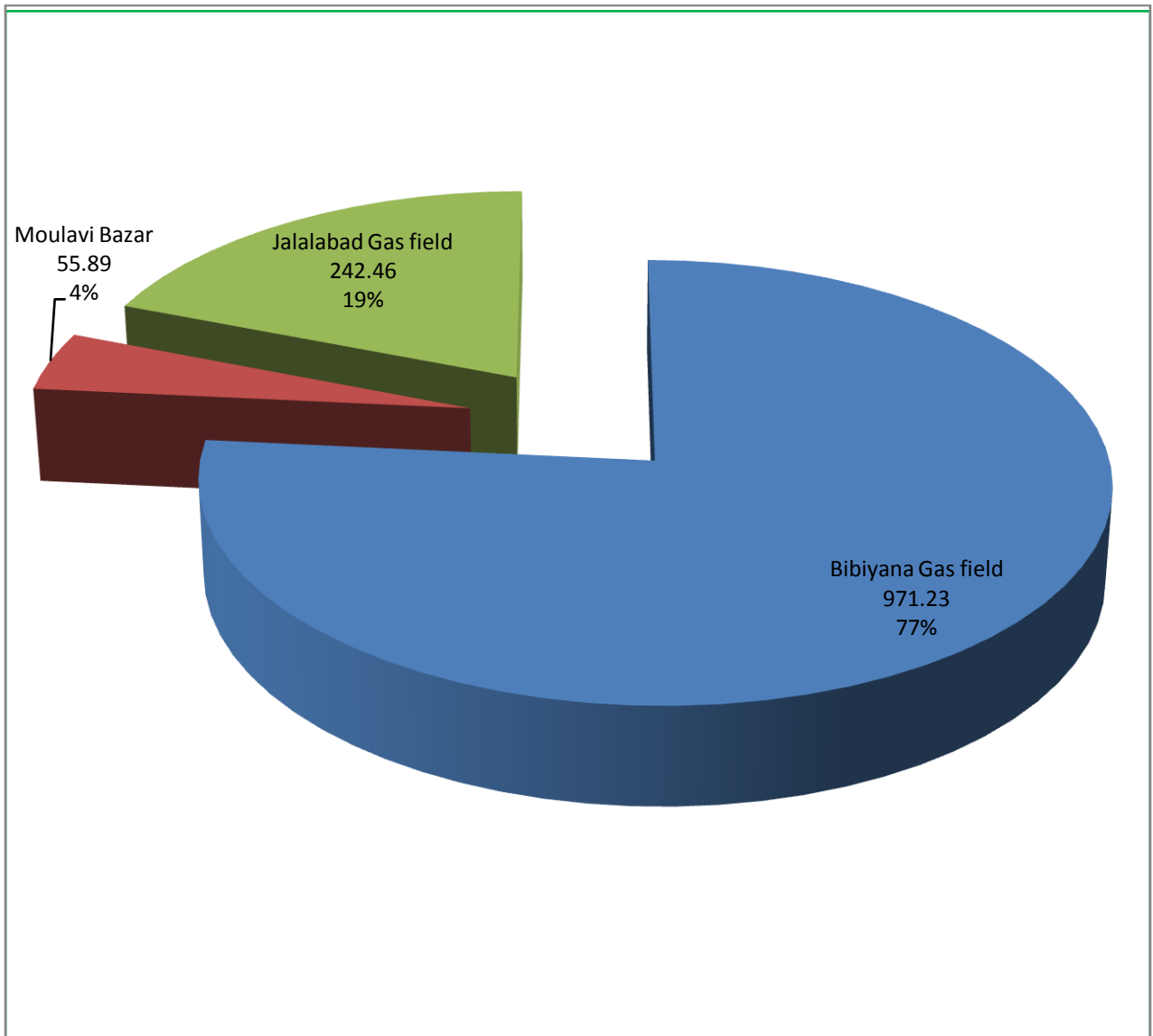
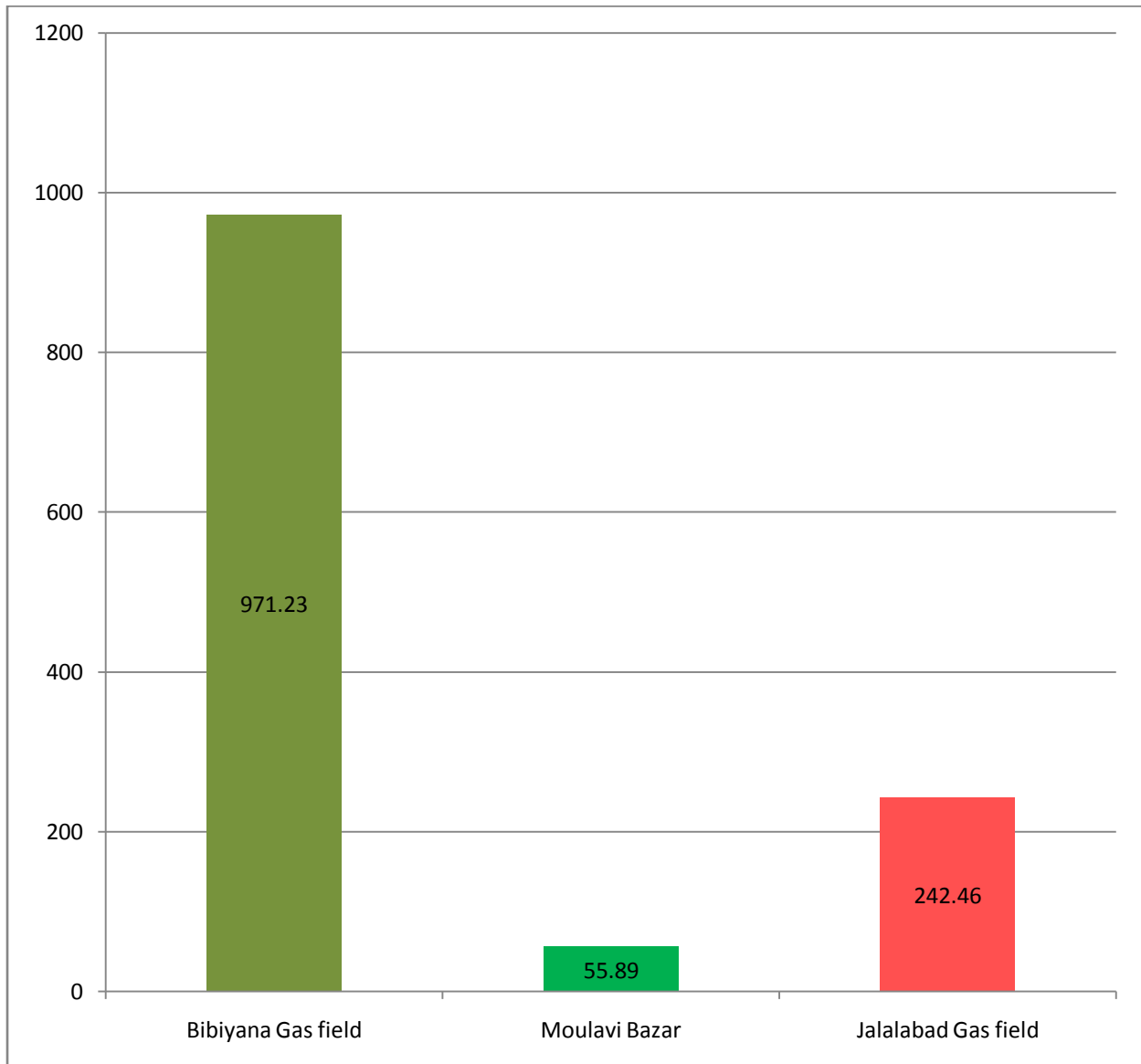
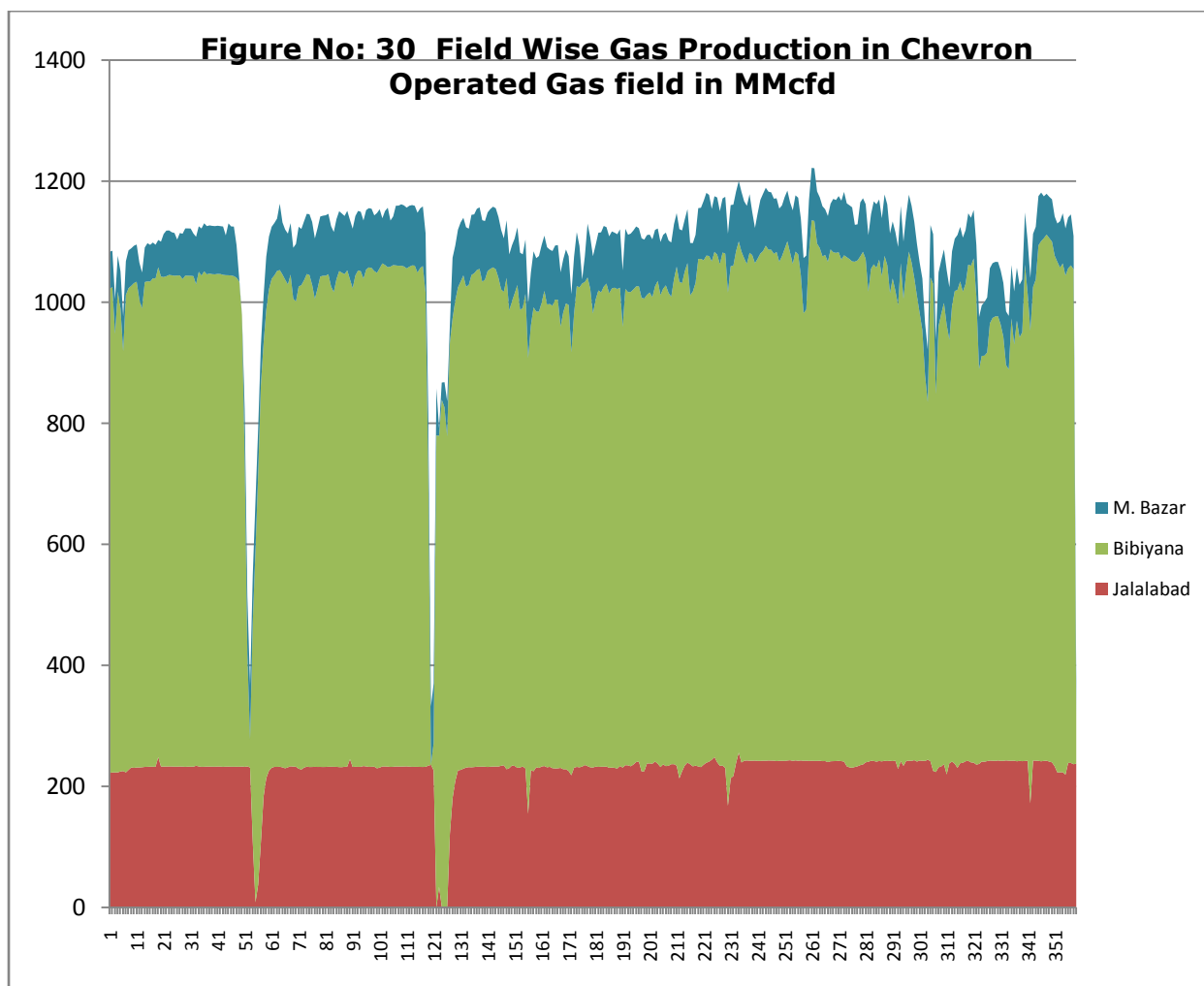


Figure No: 29 Field Wise Gas Production in Chevron operated Gas Field in MMcf





Sector wise Gas Consumption in FY 2014-15

Table No: 14

(1CM=35.31CF)

| SI No. | Name of Specification | MMCM | MMcfd |
|--------|-----------------------|----------|---------|
| 1. | Power | 10045.55 | 971.80 |
| 2. | Industry | 4182.95 | 404.66 |
| 3. | Captive | 4248.63 | 411.01 |
| 4. | Fertilizer | 1523.93 | 147.42 |
| 5. | Commercial | 257.38 | 24.90 |
| 6. | Domestic | 3346.72 | 323.76 |
| 7. | CNG | 1215.48 | 117.59 |
| 8. | Tea estate | 22.70 | 2.20 |
| Total | | 24843.34 | 2403.34 |

Source: MIS Report, Petrobangla

Figure No: 31 Sector wise Gas Consumption

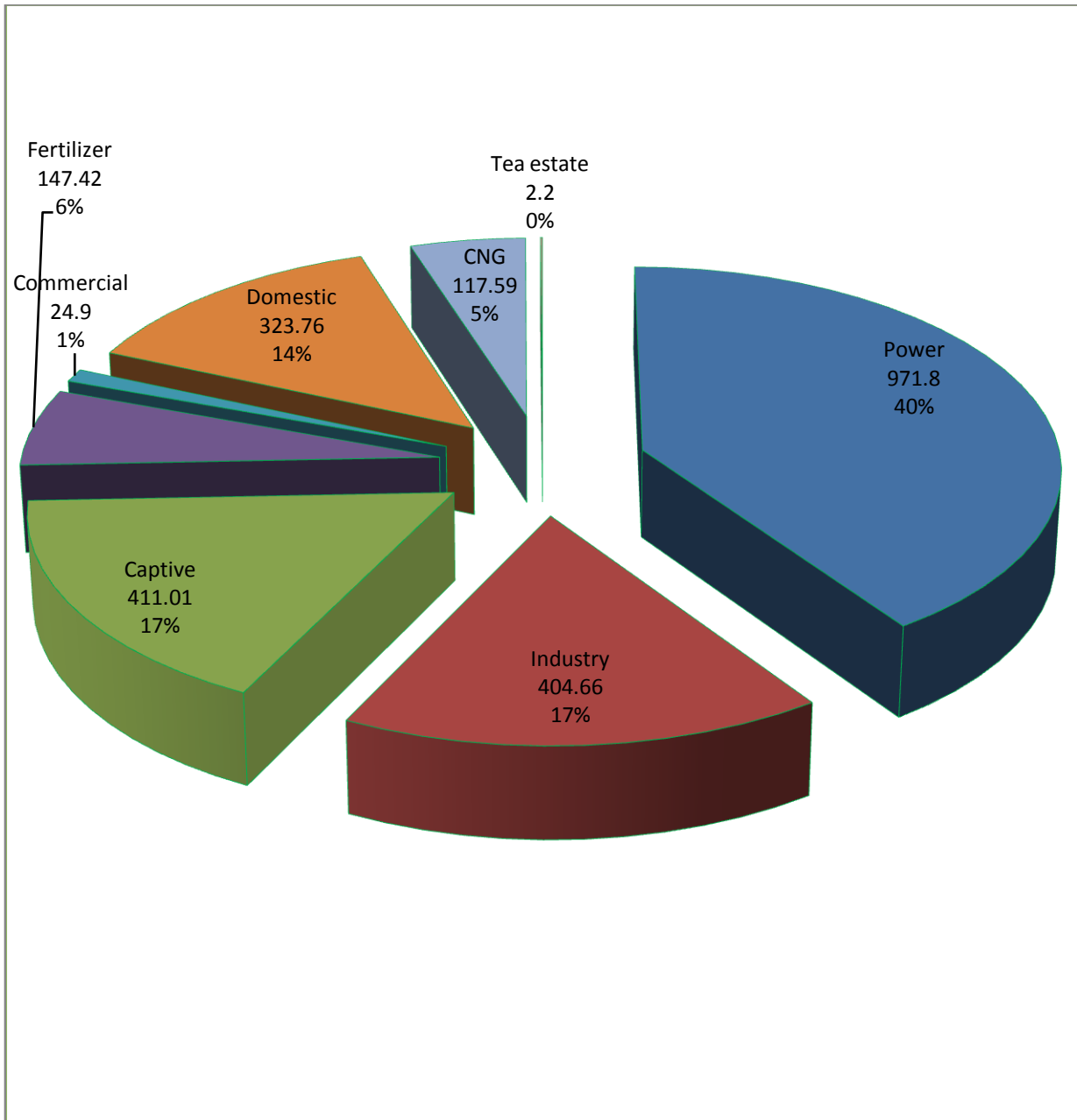
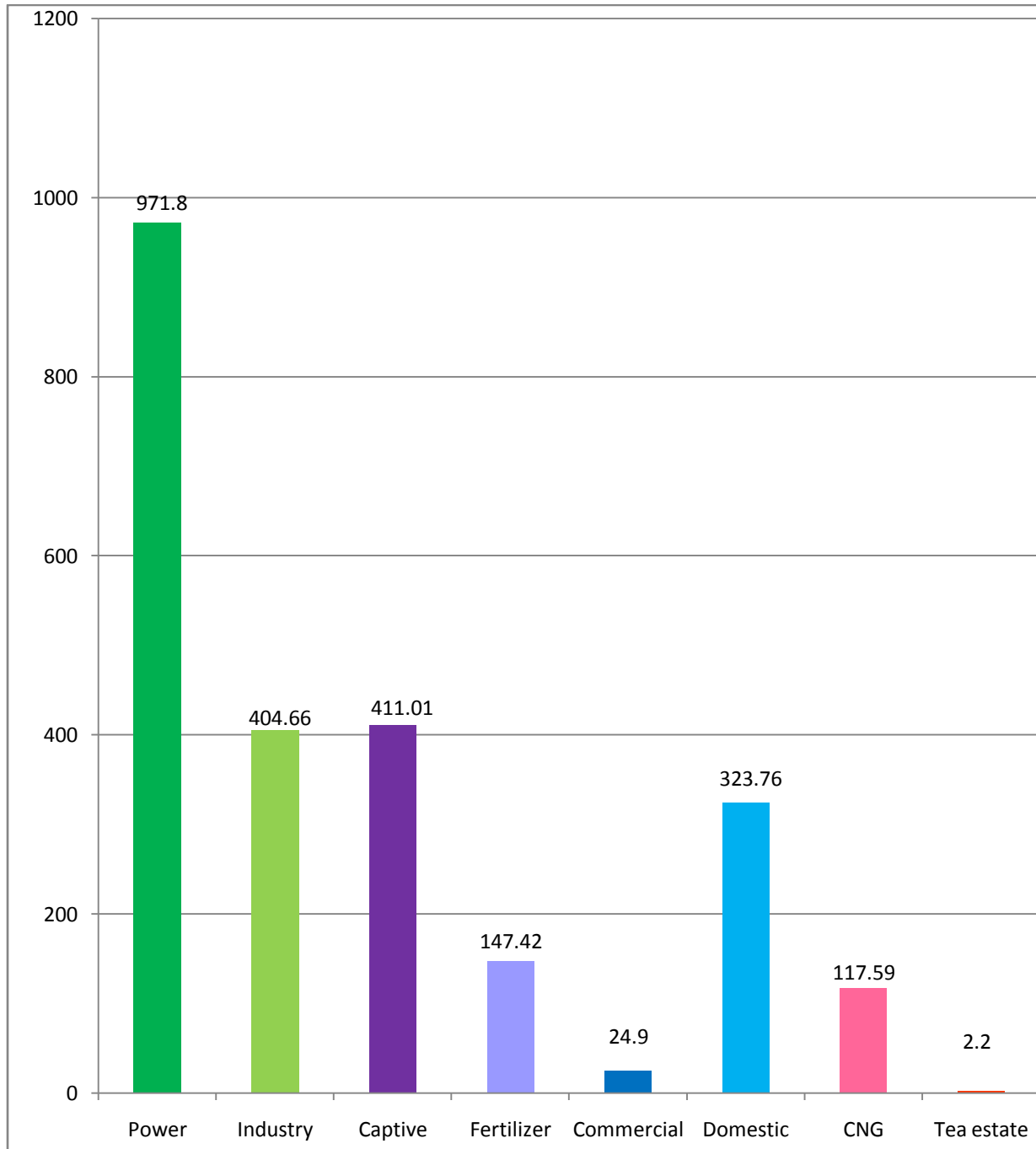


Figure No: 32 Sector wise Gas Consumption in MMcfd



Hydrocarbon Unit

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Ministry of Power, Energy & Mineral Resources
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