

## Energy security: things to do

*The future of energy security of Bangladesh appears bleak with gas resources depleting fast and no coal extraction in sight, while poor energy supplies could potentially stun the country's economic growth. A roundtable on "energy security of Bangladesh and the future challenges" at EMK Centre in Dhaka on Thursday discussed the current and future threats to the sector. The department of law and human rights of the University of Asia Pacific organised the programme in partnership with the American Alumni Association.*

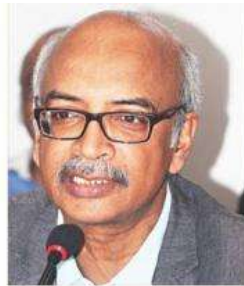
*Following are the comments made by analysts at the discussion.*



**Dr Kamal Hossain**



**M Nurul Islam**



**M Tamim**



**Abdul Matin**



**Prof Shamsul Alam**



**Dr Iftekharuzzaman**



**Soheli Ahmed**



**Kamal Uddin**

**Dr Kamal Hossain, a noted jurist**

There will be a critical shortage of gas in the coming decades. Experts had issued warnings about the gas crisis long ago but the country has not responded accordingly. Something has to be done. Otherwise, we see disaster down the road. Whatever target we have on the middle income country status or double digit economic growth -- all will depend on the availability of energy. Growth cannot happen without energy.

At the same time, growth will have an impact on the demand for commercial energy.

There is a huge disparity in the case of electricity between the urban and rural populations. There has to be access to resources not only for the elite but also for people in the rural areas.

Affordability and pricing are critical in ensuring energy security. Energy is needed for education.

We need consensus on energy policy.

**M Nurul Islam, a former professor of chemical engineering at Bangladesh University of Engineering and Technology**

In the last 25 years, we found a number of gas fields almost free of cost. That gave us confidence. But the situation now is that if energy security is not taken care of seriously, there would be a disastrous crisis.

People are now obsessed with power security, not energy security. But this obsession is going to put the whole nation in a problem. I am really worried about it.

The title of the power, energy and mineral resources ministry should be changed to the energy ministry. Because of this name, everybody is interested in making investment in power, power and power, and the investment in primary energy is very small.

If we really want energy security, we will first have to ensure the supply of primary energy. The seventh five-year plan does not say anything about the supply of primary energy for the base year. If this is the reality, how will the country ensure energy security during the seventh plan period and beyond? Domestic sources provide better energy security compared to the imported ones. This should be kept in mind.

There is no doubt that there is conspiracy, so that the Bangladesh Petroleum Exploration and Production Company (Bapex) cannot be strengthened.

***Prof M Tamim, head of the department of petroleum and mineral resources engineering at Buet***

To me, our energy policy has always been reactionary, instead of being proactive. I will give a few examples. Nobody was talking about coal because gas was the dominant energy. Nobody thought about a coal policy. Nobody raised the issue when we mined in Barapukuria in 2004-05. The moment Asia Energy came in and gave us a proposal on the basis of the existing law of the country, immediately there was a huge political hue and cry, and we reacted.

When US oil company Unicol came here and found Bibiyana in 1999, there was no gas demand in the country. There was 400-500 million cubic feet of gas, but nothing to use. The company said the gas had to be monetised quickly and proposed an alternative option, which was not in the contract, and that is to export the gas. We immediately stopped all exploration. And since 1999, there has been no exploration in the country as a reaction to their proposal.

Exploration has not happened in the case of our offshore blocks either. It is again a political dilemma; the energy sector is suffering from indecision, which is hurting us.

We have seen 10 years of Bapex-only policy. In the last 10 years, only Bapex did exploration. The net result is 300 billion cubic feet of gas, which can meet our two months' supply. The time has come to review that. I know a lot of people will disagree with me, but show me what is wrong with the international oil companies. We are getting gas at \$3 and 56 percent of gas is being supplied by international oil companies (IOCs). But nobody is talking about \$15 liquefied natural gas (LNG) import. But to pay \$3 per thousand cubic feet of gas to the IOCs, we are raising hue and cry, saying that they are taking all of our resources. Bapex has already said that there is no more structure to drill on. If that is the case, allow IOCs to come. If you get gas at \$5, then it is better than \$15 of LNG.

The way we are going and the plan we have for the electricity sector, our total import dependence will be 92 percent by 2030 if we don't develop our own coal. That is a big challenge. How are we going to manage the finances, the

***Abdul Matin, former chief engineer of Bangladesh Atomic Energy Commission***

To have energy security, one needs to have full control over the resources. But we don't know what the Russians are doing at the Rooppur nuclear power plant. Everything is dictated by the Russians.

For the first time, we have come to know about the total cost. But we still do not know about the cost of generation. Why are they shy about disclosing the figure?

Why is the project director of the nuclear power plant a physicist and the regulatory body responsible for ensuring safety is headed by a biologist? How can we be sure that the plant will serve the interest of the country and be run safely?



**Jamilur Reza Choudhury**



**CM Shafi Sami**



**Badrul Imam**



**Muhammad Imaduddin**



**Sajjad Zohir**



**Mahmuda Begum**



**Choudhury Ishrak Ahmed**



**Tahsin Aman**

**Jamilur Reza Choudhury, vice-chancellor of University of Asia Pacific**

We all know that gas resources are depleting. We have the potential but we are not carrying out exploration. We have to finance Bapex properly so that it can invest.

The government needs to strengthen Bapex to explore the hydrocarbon potential. It should be in the driving seat, while working with the IOCs.

We have other resources as well. Coal resources are unfortunately located in very densely populated areas and over agriculture land.

As there are a lot of improvements in the areas of safety of nuclear power plants, we need not be worried about the consequences of failure. Fortunately, Rooppur is not located, from a seismic point of view, in a high risk zone. But there is a problem with the availability of water for the plant.

We may have prospects in wind power too. We also have to look into our long-term energy security when we go for regional power connectivity.

CM Shafi Sami, a former adviser to the caretaker government

There should not be any conflict between the bureaucrats and professionals. We also need to get out of ad hocism.

**Badrul Imam, a professor of geology at Dhaka University**

Unless Bangladesh has the ability to explore the gas sector on its own, the interest of the country cannot be fully protected. Following settlement of maritime boundaries with Myanmar and India, Myanmar has completed initial exploration of its resources, but Bangladesh has done very little.

If bureaucratic barriers stand in the way, Bapex can never be strengthened. The present government has done a lot for Bapex, but there is a lot more to do. Bapex has to work independently, and the number of technical workers in the organisation has to be increased. Many engineers have left Bapex as they were not given proper incentives. If we can address these issues, we have the potential to grow like Petronas of Malaysia.

**Muhammad Imaduddin, director of Bangladesh Gas Fields Company**

The country has been trying to develop an LNG plant for the last five years, without much progress.

**Shamsul Alam, energy adviser of the Consumers Association of Bangladesh**

It is clear that Petrobangla never worked in the best interest of the country. Rather, it gave favours to foreign companies. The rights of the consumers in the energy sector are seriously neglected. The government does not want to listen to our arguments.

Anarchy has been created in the gas sector over giving connections to industries and households.

**Iftekhharuzzaman, executive director of Transparency International Bangladesh**

Because of a lack of good governance, we have allowed corruption to flourish at Bapex. So, there has to be political commitment to empower Bapex.

We got an act in 2010 for quick rental power plants. It was passed to ensure a quick supply of electricity. The act has subsequently been renewed, but we cannot ask questions about it in terms of procurement.

We fully understand that we need energy and power supplies. It is a challenge for the government. But why would people not have the right to ask questions?

**Sohel Ahmed, chief operating officer of Rahimafrooz Renewable Energy**

The future of renewable energy lies with small-scale solar home and irrigation systems.

**Kamal Uddin, deputy general manager of Karnaphuli Fertiliser Company**

We need to ensure energy efficiency for energy security. Before we produce any energy, we need to think about how best we will be able to utilise it. Every sector should be given a target.

**Sajjad Zohir, executive director of Economic Research Group**

Growth is constrained by the unavailability of energy. The regional electricity grid is a real thing. So, we have to look into the contracts that have been designed.

Like food autarky, there is nothing called energy autarky in Bangladesh.

**Mahmuda Begum, executive director of Power Energy Management & Engineering Company**

Our gas reserves may deplete by 2030. The government will have to depend on LNG imports if it cannot explore the coal reserves. To import LNG, huge infrastructure has to be set up, and technical capacity has to be built.

**Choudhury Ishrak Ahmed Siddiky, adjunct professor of University of Asia Pacific**

We have achieved a lot in the energy sector in the last couple of decades. It is not that there is no achievement. At the same time, there are problems confronting the sector.



As a country, we have to ensure that we have enough gas and electricity so that we can achieve economic development that we aspire.

**Tahsin Aman, *president of American Alumni Association***

The issue of energy security is very important and needs utmost attention. It is a big concern for all countries. Bangladesh is no exception. People's lives depend on it. We have been in constant uncertainty because of energy shortage. This is the uncertainty that our business community does not want. This type of uncertainty drags us down.

<http://www.thedailystar.net/business/energy-security-things-do-166351>

**The Daily Star**

# Concern over apathy to gas exploration

*Analysts say government must pay attention to primary energy*



Analysts take part in a roundtable on energy security and future challenges at EMK Centre in Dhaka yesterday. Photo: Star

## Star Business Report

A group of experts yesterday expressed concern over the government's indifference to the supply of primary energy and said emphasis on electricity production alone cannot ensure energy security.

M Nurul Islam, a former professor of chemical engineering at Bangladesh University of Engineering and Technology, said the name of the power, energy and mineral resources ministry should be changed to the energy ministry.

“Because of this name, everybody is just interested in making investment in power, power and power, and the investment for primary energy is very small. The ratio is one-fifth.”

Islam's comments came at a roundtable on Bangladesh's “energy security and future challenges” at EMK Centre in Dhaka.

The Department of Law and Human Rights of the University of Asia Pacific organised the programme in partnership with the American Alumni Association.

“If we really want energy security, we will have to ensure the supply of primary energy first of all.”

Islam said the recently approved seventh five-year plan does not say anything about the supply scenario of primary energy for the base year running from 2016 to 2020.

“If this is the reality, then how will the country ensure energy security during the seventh plan period and beyond? I am really getting worried.”

Islam said domestic sources provide better energy security compared to imported ones. “This should be kept in mind.”

In Bangladesh, the government has doubled the generation of electricity in the last five years. But the fast depletion of natural gas, which accounts for 70 percent of power generated in the country, has become a major concern.

Given the current pace of consumption, the gas reserves will finish within 15 years, according to government officials and policymakers.

At present, Bangladesh relies on domestic sources for meeting 70 percent of its electricity demand, while the rest is met through imported fossil fuel.

“But the way we are going and the plan we have for the electricity sector, our total import dependence will be 92 percent by 2030 if we don't develop our own coal,” said M Tamim, a former energy adviser to caretaker government.

“That is a big challenge. How are we going to manage the finance, the infrastructure of imports and deal with our manpower development?”

He said there is not a single engineer in the country who can manage a 1,200-megawatt coal-fired ultra-critical power plant.

Dr Kamal Hossain, a jurist, said experts had issued warning about the gas crisis long ago but the country has not responded accordingly. “Something has to be done. Otherwise, we see a disaster down the road.”

He also said there is a huge disparity in case of electricity between the urban and rural populations. Affordability and pricing is very critical in ensuring energy security, Hossain added.

To have energy security one needs to have full control over the resources, said Abdul Matin, former chief engineer of the Bangladesh Atomic Energy Commission.

“But we don't know what the Russians are doing at the Rooppur nuclear power plant. Everything is dictated by the Russians.”

“For the first time, we have come to know about the total cost. But, we still do not know about the cost of generation. Why are they shy about disclosing the figure?”

He raised the question why the project director of the nuclear power plant is a physicist and the regulatory body responsible for ensuring safety is headed by a biologist. “How can we know that the plant will serve the interest of the country and it will be run safely?”

CM Shafi Sami, a former caretaker government adviser, said there should not be any conflict between the bureaucrats and professionals.

Badrul Imam, a professor of geology at Dhaka University, said unless Bangladesh has the capability to explore the gas sector on its own, the interest of the country cannot be fully protected.

Following settlement of maritime boundaries with Myanmar and India, Myanmar has completed initial exploration of its resources but Bangladesh has done very little, he added.

Jamilur Reza Choudhury, vice-chancellor of the University of Asia Pacific, urged the government to strengthen the Bangladesh Petroleum Exploration & Production Company to explore the hydrocarbon potential. It should be in the driving seat while working with the international oil companies, he added.

Muhammad Imaduddin, director of the Bangladesh Gas Field Company, said the country has been trying to develop a liquefied natural gas plant for the last five years without much progress.

Shamsul Alam, energy adviser of the Consumers Association of Bangladesh, said the rights of the consumers in the energy sector are seriously neglected.

“The government does not want to listen to our arguments,” he added.

Sohel Ahmed, chief operating officer of Rahimafrooz Renewable Energy Ltd, said the future of renewable energy in the country lies with small-scale solar home and irrigation systems.

Kamal Uddin, deputy general manager of Karnaphuli Fertiliser Company Ltd, called for ensuring energy efficiency.

“Before we produce any energy we need to think about how best we will be able to utilise it,” he added.

Sajjad Zohir, executive director of the Economic Research Group; Choudhury Ishrak Ahmed Siddiky, adjunct professor of the University of Asia Pacific; and Tahsin Aman, president of the American Alumni Association, also spoke.

<http://www.thedailystar.net/business/concern-over-apathy-gas-exploration-164515>



## পেশাদারদের জ্বালানি খাতের দায়িত্ব নিতে হবে: ড. কামাল

অক্টোবর ৩০, ২০১৫

বাংলাদেশের জ্বালানি নিরাপত্তা নিয়ে এক গোলটেবিল আলোচনায় অংশগ্রহণকারীরা দেশের জ্বালানি খাতের নিরাপত্তার জন্য অন্য কিছুই আগে সুশাসন নিশ্চিত করার ওপর জোর দিয়েছেন। ওই আলোচনায় বিশিষ্ট আইনজীবী ড. কামাল হোসেন বলেছেন, পেশাদার লোকদের জ্বালানি খাতের দায়িত্ব নিতে হবে।

গতকাল বৃহস্পতিবার ধানমন্ডির মাইডাস সেন্টার ভবনে ‘বাংলাদেশের জ্বালানি নিরাপত্তা: চ্যালেঞ্জস অ্যান্ড প্রসপেক্টস’ শীর্ষক গোলটেবিল আলোচনায় আলোচকেরা এসব কথা বলেন। ইউনিভার্সিটি অব এশিয়া প্যাসিফিক ও আমেরিকান অ্যালামনাই অ্যাসোসিয়েশন যৌথভাবে এই গোলটেবিল আলোচনার আয়োজন করে।

ড. কামাল হোসেন বলেন, পেট্রোবাংলা, বাপেক্স এবং এনার্জি রেগুলেটরি কমিশনে পেশাদার লোকদের দায়িত্ব দিতে হবে। বাপেক্সকে পুনর্গঠন করতে হবে। তিনি বলেন, যুক্তরাষ্ট্রের বড় বড় তেল কোম্পানিতে বাংলাদেশের বিশেষজ্ঞরা কাজ করছেন। এসব লোক দেশে কাজ করার কোনো সুযোগ পাননি। তিনি বিদ্যুৎ উৎপাদনে কুইক রেন্টালেরও সমালোচনা করেন।

টিআইবি নির্বাহী পরিচালক ইফতেখারুজ্জামান বলেন, জ্বালানি খাতে নিরাপত্তা নিশ্চিত করতে হলে আগে দেশে সুশাসন প্রতিষ্ঠা করতে হবে। তিনি বলেন, বাপেক্সসহ জ্বালানি-সংক্রান্ত সরকারি প্রতিষ্ঠানগুলোতে কোনো অডিট হয় না। সুশাসন যে নেই, এটাই তার প্রমাণ।

আলোচনায় অন্যান্যের মধ্যে সাবেক পররাষ্ট্রসচিব সি এম শফি সামি, তত্ত্বাবধায়ক সরকারের সাবেক জ্বালানি উপদেষ্টা ম. তামিম বক্তব্য দেন। বিজ্ঞপ্তি।

<http://www.prothom-alo.com/bangladesh/article/668989/%E0%A6%AA%E0%A7%87%E0%A6%B6%E0%A6%BE%E0%A6%A6%E0%A6%BE%E0%A6%B0%E0%A6%A6%E0%A7%87%E0%A6%B0-%E0%A6%9C%E0%A7%8D%E0%A6%AC%E0%A6%BE%E0%A6%B2%E0%A6%BE%E0%A6%A8%E0%A6%BF-%E0%A6%96%E0%A6%BE%E0%A6%A4%E0%A7%87%E0%A6%B0->



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