

SCHEDULE FOR PMRE/BUET & UH IELE WORKSHOP

January 9-12, 2004

Dhaka, Bangladesh

DAY 1 - Sunday, January 9, 2005

OIL & GAS GLOBAL SCAN AND VALUE CHAINS

- 9:30AM – “Global scan” of world oil and gas trends
1:00PM
- **Overview of oil & gas outlooks, forecasts and scenarios and related issues**
 - **Driving forces underlying global energy supply and demand balances and prices – energy/economy relationships, global distribution of energy resources, global distribution of demand, factors determining development of supply and change in consumption**
 - **Critical uncertainties – role of OPEC and other international associations, energy sector restructuring and government-business relationships, geopolitical balances, environment**
 - **Discussion and conclusions**
 - **Global vision of petroleum industry development**
- Tamim,
Ijaz, Fisoye
- 1:00PM Lunch break
- 2:00PM – Oil & gas value chain economics:
5:30PM
- **Overview of the value chain concept**
 - **Key issues: capacity development and associated risk, price volatility and associated risk, risk management**
 - **Application of the value chain concept to the energy industry**
 - **Illustrations: oil value chain and natural gas value chain**
 - **Role of standards in defining commodities and associated markets**
 - **Commercial development of the energy value chains**
 - **Demonstration of value chain pricing using the U.S. case**
 - **LNG, GTL, CNG and other newer technologies**
 - **Analysis of the Bangladeshi natural gas value chain**
- Tamim,
Fisoye, Ijaz
- Dialogue
- **Case Studies**

DAY 2 – Monday, January 10, 2005

COMMERCIAL FRAMEWORKS & RESTRUCTURING

- 9:00AM – “Commercial framework” concepts: legal, regulatory, financial, business standards,
1:00PM international trade
- **Define “commercial framework” concept – policy/regulatory platforms to accommodate commercial practices and development**
 - **Private sector participation mechanisms (gas and power).**
- Tamim,
Fisoye
- Commercial framework concepts – principles, requirements and issues, country dialogue
- Overview:**
- **Presentation of value chain minimum requirements model (IELE) based on cross-country comparisons of approaches, results achieved**
 - **Decision analysis approach**
- Finance and investment:**
- **Overview of financial requirements for energy project investments, global capital market considerations, deal structuring practices and trends**
 - **Results from other surveys and studies (IEA, World Bank, etc.)**
- 1:00PM Luncheon
- 2:00PM –
5:30PM
- **Continue commercial frameworks – business case and application**
 - **The path of restructuring (the steps - policy, planning, market design,**

regulatory body- which should be undertaken first or simultaneously, etc.)

Tamim,
Fisoye Dialogue

- **Case studies**

DAY 3 – Tuesday, January 11, 2005
INVESTMENT ANALYSIS

9:00AM – Project economics
1:00PM

Fisoye, Ijaz

- **Time value of money**
- **DCF analysis**
- **Investment criteria: NPV, IRR, PWP, PWI**
- **Upstream investment models**
 - **International agreements and contracts**
 - **Upstream fiscal models (concessions, contracts, agreements and related terms), and effects (results achieved), resource “monetization” issues**

1:00PM Luncheon -

2:00PM – Investment analysis
5:30PM

Distance based wheeling charge, incremental investment, capacity addition how it is done. How the cost is passed to the new/old customers etc

Ijaz, Fisoye Dialogue

- **Case Studies**

DAY 4 – Wednesday, January 12, 2005
COMMERCIAL FRAMEWORKS SPECIFICS

9:00AM – Commercial frameworks specifics
1:00PM

Ijaz, Fisoye

- **Infrastructure network issues - survey of tariff design issues and issues in achieving market-based pricing**
- **Old gas - new gas (old oil/new oil in US)**
- **Cost of new gas**
- **Using latest technology, what would be the cost of producing a unit of electricity and fertilizer**

Commercial frameworks problems and solutions

- **Infrastructure development models (BOT, BLT, IPP, etc.) and related issues**
- **Transportation and transit access models, tariffs and tariff design issues**
- **Regional energy cooperation examples**
- **Distribution and end use considerations**
- **Subsidies and incentives – country experience in phasing out price subsidies, establishing market pricing and end use markets, policy aspects, building an exit strategy from price subsidies**
- **Ongoing issues in regulating market power**
- **Summary – links between commercial frameworks and investment outcomes**

1:00PM Luncheon

2:00PM –
5:00PM
Tamim

Bangladesh Energy sector issues – Presentation - *The Pitfalls in Bangladesh Energy Sector Commercial Framework.*

5:00pm – Presentation of certificates
5:30pm