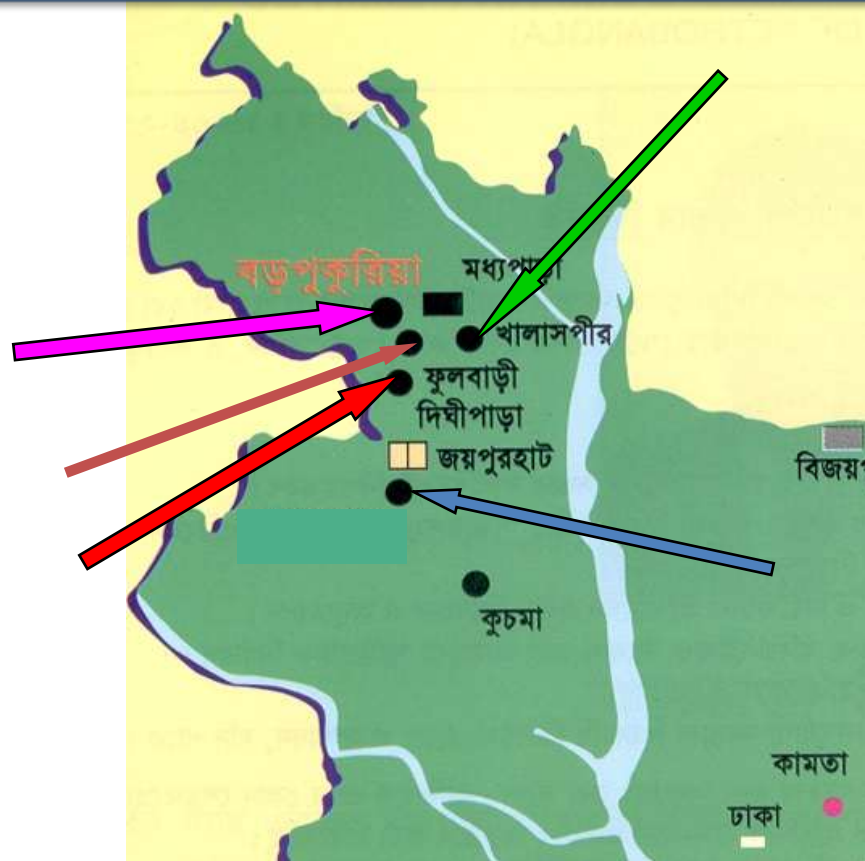


WELCOME

TO
THE PRESENTATION
ON
PRESENT SCENARIO
OF
BANGLADESH COAL SECTOR
NOVEMBER 2015



Coal Deposits



5 Coal fields with
in in-situ total
Reserves 3565
million tonne

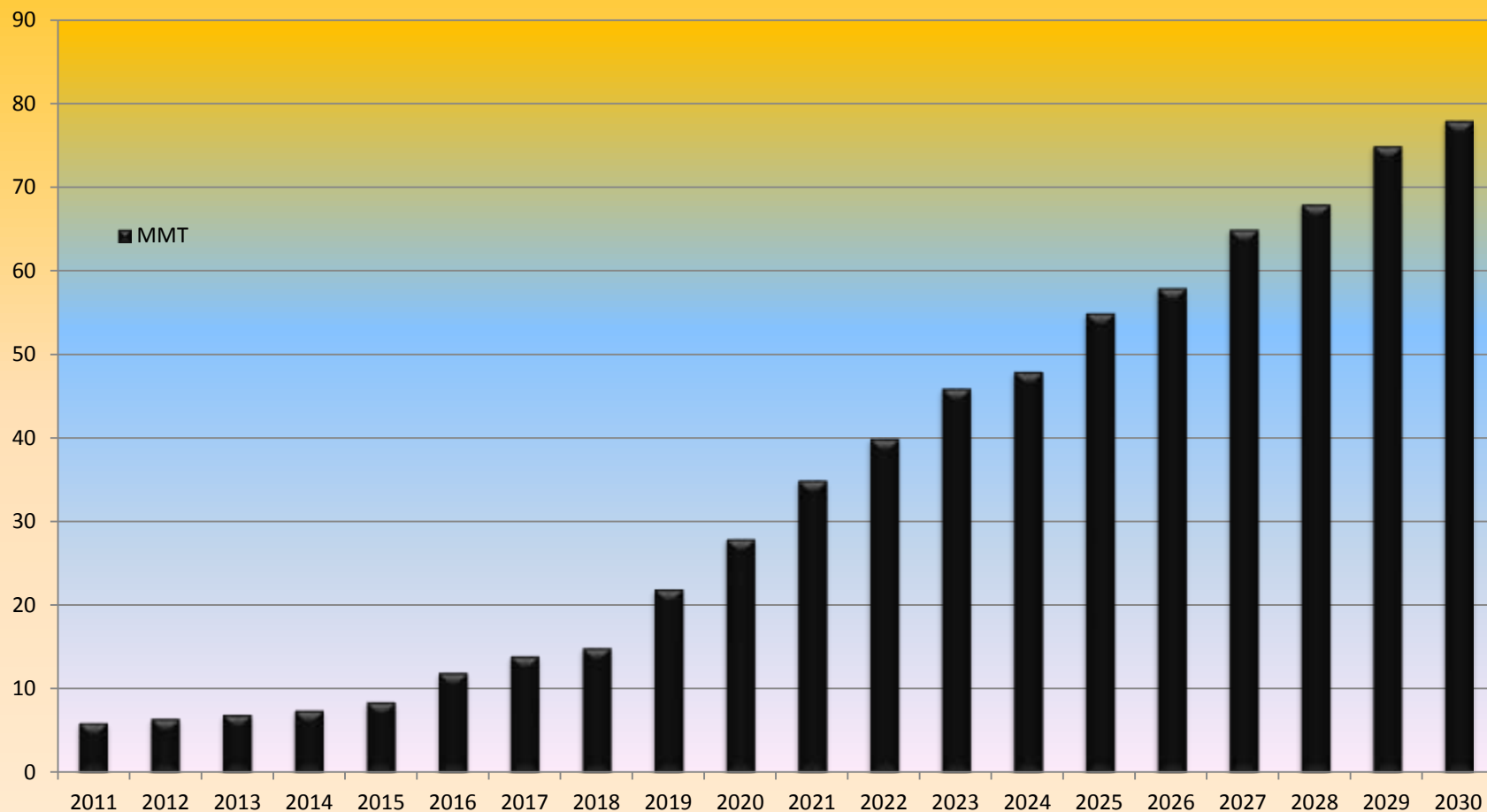
Barapukuria
Khalashpeer
Jamalgonj
Phulbari
Dighipara

390 million tonne
685 million tonne
1,053 million tonne
572 million tonne
865 million tonne

COAL AS ENERGY IN BANGLADESH

- The reserve of natural gas in Bangladesh is not significant and it is declining.
- Coal could be a good alternative for energy.
- It is a reliable and affordable source of energy worldwide.
- More than 30% of global power generation is based on coal. In Bangladesh it is only 2%.
- The coal of Bangladesh is of high quality and more environment friendly.

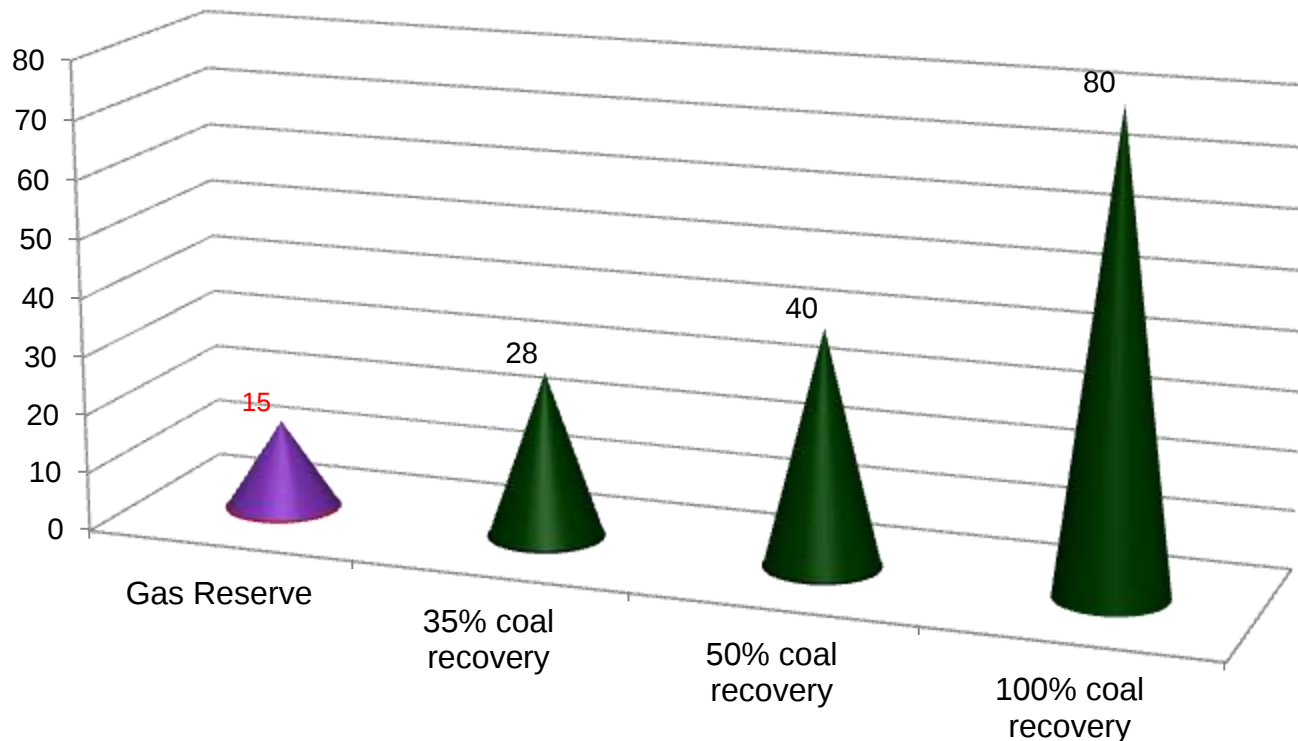
PROJECTED COAL DEMAND IN BANGLADESH



Source: Mine and Minerals Development (Package #7) Hydrocarbon Unit Coal Sector Development Strategy (Final), Prepared by PWC, Page: 33

COAL RESERVE VS GAS RESERVE

- Remaining recoverable reserve of natural gas: 15 tcf
- Considering 50% coal recovery : 1,782 Million ton (equiv. to 40 tcf of Gas)
- Considering 35% coal recovery : 1,248 million ton (equiv. to 28 tcf of Gas)



BARAPUKURIA COAL FIELD

Barapukuria Coal Field

- Total Basin Area : 6.68 Sq. km.
- Depth Range : 118 - 509 meter
- Total Number of Seam : 6
- Avg. Thickness of Seam VI : 36.0 meter
- Reserve in Million Tonne : 390 (in situ)
- Producing coal from the Central Part
- Commercial Production from Sept. 2005
- Total production (up to Jun'15) : 7.06 million ton.

Specification of Coal

BCMCL Coal:

- High Volatile Bituminous Coal
- Avg. Gross Cal. Value : 11,040 btu/lb
- Ash : 12.40%
- Moisture : 10.00%
- Fixed Carbon : 48.40%
- Sulphur : 0.53%

Imported Coal:

- Imported Coal : Lignite Coal (Mostly)
- Avg. Gross Cal. Value : 7,000 btu/lb
- Sulphur : More than 2%

Future Possible Developments

To meet the increasing energy demand of the country, Govt. instructed BCMCL to increase coal production to 20,000 ton/day. BCMCL requested Govt. through Petrobangla to lease Dighipara, Jamalgonj Khalashpeer and Phulbari coal fields to BCMCL. Estimated times required to develop the mine are shown bellow:

- | | |
|---------------------------------------|------------------------|
| 1. Barapukuria UG Expansion | : 4 to 5 years |
| 2. Barapukuria Open Pit Mining | : 7 to 10 years |
| 3. Dighipara UG Mining | : 6 to 7 years |
| 4. Khalashpir UG | : 6 to 7 years |
| 5. Phulbari Open Pit Mining | : 7 to 10 years |
| 6. Jamalgonj UG | : 7 to 10 years |

JAMALGANJ COAL FIELD

Jamalganj Coal Field

- **Discovered** : 1962 by GSB
- **Basin area** : 11.66 sq. km
- **Depth range** : 640~1158m
- **Nos. of bore holes drilled** : 11
- **No of coal seams** : 7
- **Total thickness of seams** : 57 m
- **Geological reserve** : 1053 million tonne
- **Rank: High volatile Bituminous Coal**

COAL BED METHANE (CBM)

(A new concept in Bangladesh)

Feasibility Study for CBM at Jamalganj

- A Project titled “The Feasibility Study for the Extraction of Coal Bed Methane (CBM) at Jamalganj Coal Field is now in progress. The project is financed by Petrobangla.
- The main objective of this project is to carry out the feasibility study in the largest coal field in Bangladesh
- Mining Associates Private Ltd. (MAPL), India is working as consulting firm in this project.
- The drilling of 1st core well out of 3 will be launched in the mid of December this year.
- If CBM is found, it may be used as fuel for the generation of electricity.

Thank you

for

your kind attention