India
Coal Sector Update to the 18th Session of the Global Methane Initiative (GMI) Coal Subcommittee

19-20 November 2013
Ministry of Coal, Govt of India
CMPDI
New trends in the coal sector

- India is the 3rd largest producer of coal in the world
- Coal is the main source of energy supply in India
- Coal meets about 53% of the energy requirement of the country
- Coal production is going to increase manifold to meet the increasing energy demands to sustain envisaged GDP growth
- In view of the increase in coal production, the emissions from the coal mining operations is expected to increase.
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- New trends in the energy sector
  - Development of non-conventional energy resource is under focus both at the Govt and Industry level
  - Coal based non conventional resources like CBM/CMM etc development is a priority area.
  - Development of Shale gas
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- Regulatory Update
  - Govt of India has announced CBM Policy in 1997.
  - The policy has several fiscal incentives and liberal terms
  - New and/or changes to existing laws, regulations, or incentives
  - As a result of this the Global Bids announced by the Govt for allotment of CBM blocks attract lot of participants
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- Implementation of national plans/directives
  - Consequent to the announcement of the policy so far 33 CBM blocks have been allotted by the Govt for commercial development of CBM.
  - Commercial production in the country has started and likely to pick up soon
  - Pursuing clean coal technology is high on the agenda of Coal Industry.
  - Reduction of methane emission from coal mining operations is priority area.
  - Ministry of coal has identified CMPDI as Nodal Agency for development of CMM.
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- Specific project updates
  - 5 prospective CMM blocks have been identified within CIL mining lease hold areas
  - Efforts are being made to take up harnessing and commercial utilisation of the captured methane.
CMM Project Outlook

- Challenges to emission reduction projects in India:
  - Technological challenges
    - In Indian condition, the harnessing of CMM is different
    - The target seams lying below the worked out/goaved seams are the target
    - Resource assessment in de-stressed condition is challenging.
    - The drilling and capture technology will have to be carefully designed keeping in view the safety of the mines
  - Regulatory Challenges
    - There are certain regulatory issues which is under deliberation at the Govt level.
    - These issues are likely to be sorted out soon.
CMM Project Outlook (2)

- Approaches to overcoming challenges
  - Legislation and regulation: In place for CBM/under evolution for CMM
  - Policies and incentives: In place. Further India CMM/CBM Clearinghouse has been established in 2008 to expedite commercial development of CMM
  - Energy pricing reform: The current pricing structure is under review
  - Capacity building
    - Technology transfer: Required
    - Training and workshops: Required
  - Agreements and/or partnerships: May be examined

- Anticipated or planned projects: CMM projects have been planned

- Infrastructure development: Has been taken up
Contact Information and Announcements

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- Announcements – India CMM/CBM Clearinghouse and CMPDI is going to organize an International Workshop on “Development of Coal Based Non Conventional Resources in India i.e. any relevant upcoming events on 12-13 Nov 2013 at CMPDI, Ranchi