

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



India: Coal Sector Update

- New trends in the coal sector
 - India is the 3rd largest producer of coal in 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.

India: Coal Sector Update

- 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



India: Coal Sector Update

- 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

India: Coal Sector Update

- 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.



India: Coal Sector Update

- 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



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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**

