

PRESENTATION

BY

COAL MINING TASK FORCE



FLAGSHIP PROJECTS

- **CLM-06-01 : Information Sharing on Coal Processing Technologies.**
 - Lead Country : India
 - Partner Country : USA
 - Location : India
- **CLM-06-09 : Coal Mine Health & Safety**
 - Lead Country : Australia
 - Partner Countries : USA, India, China & Japan
 - Location : Not Applicable
- **CLM-06-11 : Increasing Recovery and Use of Coal Mine Methane**
 - Lead Country : USA
 - Partner Country : China
 - Location : China

PROJECT : INFORMATION SHARING ON COAL PROCESSING TECHNOLOGIES

- Focuses on improving knowledge of the coal processing technologies available in partner countries.
- Partner countries such as India can increase its coal processing capacity leading to reduced negative social, economic and environmental impacts.
- Phase I, holding workshop in India, completed.
- Bilateral cooperation opportunity in Phase II initiated.
- US State Department grant of \$1 million fixed up for evaluating Indian coals and testing of Dry Cleaning through a Pilot scale project in India.

PROJECT : INFORMATION SHARING ON COAL PROCESSING TECHNOLOGIES

- Expected benefits of the project include:
 - Improvement of energy utilisation due to reduced transportation, processing and burning of high ash rock.
 - Reduced emission of fly ash and air pollutants.
 - Free capacity in the currently overloaded Rail & Power infrastructure.
- Final results likely to come by September 2009.
- Outcome of the project is likely to contribute to the APP goals of economic development, energy security and air pollution reduction.

PROJECT : COAL MINE HEALTH & SAFETY

- Seeks to develop a strategic approach towards risk management and to advance towards the goal of zero fatalities and injury in coal mining industry in partner countries.
- Participating countries will provide input into an overarching legislative framework for health, safety and risk management and also identify best practices adopted in partner countries.

PROJECT : COAL MINE HEALTH & SAFETY

- A Health & Safety steering group has been formed to work out on 5 separate themes under the project.
 - Three workshops in USA, Australia and India already held.
 - The project will identify major hazards and core risks associated with coal mining, which will assist countries in building staff capacity to enforce statutory and regulatory requirements.
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PROJECT : INCREASING RECOVERY AND USAGE OF COAL MINE METHANE

- Methane is a potent greenhouse gas and the primary component of natural gas.
- The project aims to improve mine safety and increase coal mine methane and coal bed methane production and utilization in partner countries, primarily in China and India.
- USEPA will be conducting a feasibility study of a coal mine methane (CMM) project in China. The study will include:
 - Selection of an appropriate mine
 - Analysis of methane resource data
 - Market assessment for the produced methane
 - Evaluation of degas and utilization technologies
 - Preliminary engineering design
 - Estimate of project capital and operating costs
 - Economic & financial analysis with cash flow projections



PROJECT : INCREASING RECOVERY AND USAGE OF COAL MINE METHANE

- USEPA has committed up to \$500,000 to fund this feasibility study.
- Project Benefits include:
 - A new source of clean, local energy
 - Improved air quality and mine safety
 - An additional revenue stream for the coal mine
 - Increased mine productivity
 - Reduced greenhouse gas emissions
- Anticipated outcomes of environmental, economic, social benefits will further the goals of both APP and M2M partnerships.

THANK YOU

