



## **Workshop on Coal Beneficiation and Utilisation of Rejects (Waste Coal): Initiatives, Policies and Best Practices**

**Venue:** Indian Institute of Coal Management, Ranchi, India

### **Objectives of the Workshop:**

The workshop will provide an opportunity to understand and identify best practices, as adopted in Asia-Pacific Partnership member countries, of coal beneficiation in general and fine coals in particular, keeping in view its appropriateness to other country coal sectors. It will also examine best practices for generation of power from the rejects produced by such beneficiation. In addition, it will provide opportunity for understanding prevailing initiatives, policies and practices pertaining to coal washing activities and initiatives in partner countries. Indian coals have high ash content, which are intimately mixed with coaly matter and are therefore generally difficult to wash. Appreciation and understanding of cost-effective and appropriate technologies, initiatives and practices will help the Indian coal sector in its activities and programmes to augment coal beneficiation capabilities and cost-effective energy availability.

### **Day 1: August 22, 2007**

#### **Morning:**

**Focus:** How washed coal is viewed by India Coal users, as well as the prevailing initiatives, activities, policies and practices in partner countries that have bearing on coal beneficiation activities, capability and appropriateness for utilization of clean coal. Presentations on actual experience with washed coals in India will include research.

**Speakers:** India – Representatives from appropriate government ministries dealing with policies, initiatives, technologies concerning coal washing in India, e.g. Coal, Power, Environment, Planning Commission, Coal India Ltd. and its subsidiaries that have captive washeries or commercial washeries, CMPDI (Research Group), CFRI (Research Group), Coal Washery Operators. NTPC, Other State Electricity Boards, Boiler Manufacturers)

Group Discussion to follow

#### **Afternoon:**

**Focus:** Synopsis of the various technologies of coal beneficiation/washing adopted in partner countries for different qualities of coal, particularly near gravity material coal.

**Speakers:** U.S. Coal Mining and Coal Preparation Experts: Mark Sharpe of Sharpe International, Rick Honaker of the University of Kentucky, Roe-Hoan Yoon of Virginia Tech, Craig Zamuda of the U.S. Department of Energy, and Alfred Whitehouse of the Department of Energy.

**Topics:** Coal washing technologies, the economics of washing different types of coal, and case studies of best practices with results /benefits in quantitative and economic terms.

**Day 2: August 23, 2007**

**Morning**

Focus: Synopsis of the various technologies for fine coal beneficiation adopted in partner countries.

Speakers: Various speakers from the USA, Japan, India

Topics: Technologies for fine coal beneficiation, recovery of fine coal, equipment availability, and manufacturers of such equipment case studies with economics.

**Afternoon**

Focus: Utilisation of coal washery rejects in generation of power in the most cost-effective manner.

Speakers: Various speakers from the USA , India

Topics: Various technologies for generation of power from washery rejects, cost of generation of such power, overall impact of power generation cost on cost of washed coal. Discuss next steps, develop list of potential opportunities and areas for cooperation, summarise issues and challenges, and list the next steps.

**Day 3: August 24, 2007**

**All-day site visit:** Piparwar Project and Priparwar coal washery of CCL. Discussion with the washery operators.