

Coal Based Power Sector: Outlook and Challenges for India and Other Emerging Economies

PROGRAMME

Opening Session: Post COP 2015 - Global Energy Outlook

Welcome address

Coal's Relevance in India

Incorporating Environmental costs in India's energy plan

Overall energy plan and role of coal

Session 1: Improving Efficiency and performance: Reaching Technical Leading Edges

New Technologies (IGCC, CCS, A-USC, CFBC)

Sub Critical to Super and Ultra Super Critical: Related concerns

GHG reduction: available tools & related experiences

Session 2: Water Energy Nexus

Water Scarcity: Available technologies & future adaptation efforts

Use of wastewater or any other non-fresh water source

Environmental Impacts and Management of Coastal Power Plants

Session 3: Managing Fly Ash: Utilization Potential & Regulating Disposal

Regulations to Manage Waste

Regulations on Use: Incentives and Impediments

Management and Rehabilitation of Fly Ash Ponds

Session 4: Air Pollution and Governance Regulatory Framework

Recently Enacted Standards in India for Water and Air

Financing, tariff and Implementation Roadmap

Perspectives on Effectiveness of Regulations on Air and Water

Funding Pollution Control Technologies

Session 5: Continuous Emissions Monitoring Systems – Strengthening enforcement

CEMS and ETS initiative in India

Device selection & Suitability- Selection & Installation, Certification

Calibration, Operation & Maintenance Challenges

Data Transfer Challenges & Compliance Method

CEMS implementation- Requirements & Roadmap

Way Forward

Concluding Remarks

Vote of Thanks