LOW VOLATILE COAL BENEFICIATION

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Indo-US Coal Working Group June 5-7, 2007 Washington, DC



PROCESS FLOWSHEET

Level 4 Plant Design

• Coarse, Fine, and Ultra Fine Coal Cleaning



ANALYSIS

 ADDITION SAMPLING AND TESTING REQUIRED



EQUIPMENT

- Raw Coal Handling
- Crushing
- Washing Devices, Selection and Applicability
 - Multiple Circuits



FLOWSHEET SELECTION

- Matrix of equipment by size fraction
- Simulation of each equipment
- Cost vs Benefit Sensitivity
- Combined Optimization



ESTIMATING CAPITAL COSTS

- Major equipment
- Erection cost



OPERATING COSTS

- Power Demand
- Labor
- Supplies
- R & M
- Administration



US ROLE

- Coal beneficiation design and equipment selection
- Coal beneficiation operations and maintenance
- Power generation from high ash washery rejects
- Project Administration and Overhead
- Travel and Contingency



SUMMARY

- US EXPERIENCE
 - INDUSTRY
 - INSTITUTIONS
 - RESEARCH GROUPS

