

Sustainability of Coal in India

INTRODUCTION-

Although India has the fifth largest reserves of coal in the world, it is not able to meet its domestic demand. Since FY 04, the country's coal import has grown at a CAGR of 15% (till 2010-11). During the same period the thermal coal import grew at a CAGR of ~25%. With increase in Steel demand round the globe and with the progress in energy and manufacturing sector, it's pretty obvious to say that the dependency on coal is going to increase in the near future. Although coal is the most abundant and precious fuel available in Earth's crust, the major challenge in this developing India is the availability and at the same time the proper and judicious use of coal. Also the quality of the available coal is degrading. This is high time now that we must try on how to conserve our fossil fuel for a better future tomorrow. In order to not let the problem aggravate further one has to have a definite set of procedure with proper management plan and action to ensure Smooth Production, processing and supply of Coal. We, therefore present you an opportunity to vent out your thoughts on the topic "Sustainability of Coal in India" under the event "Eureka". This Concetto, come and present your views on this very burning topic and take home prizes worth thousands.

CHALLENGES-

The Indian coal sector faces following challenges for the future:

- 1) Resolving current and past environmental and social issues.
- 2) Balance between production and consumption of coal.
- 3) Improving coal quality is an important issue, as better and consistent coal quality improves the performance of coal power plants and steel plants.

DELIVERABLES-

A Policy Framework for coal sector in India for 2030 encompassing the following:

- Collect and analyze following statistics-
 - Present coal reserves
 - Present coal production
 - Present coal consumption
 - Import statistics
- Analyze the flowsheet showing flow of different types of coal (include quantity also) from production to different applications and discuss the alternatives in those applications and hence recommend a road map for 2030 for India to be energy secure through self-sufficiency in coal sector.
- Discuss International best practices on invigorating domestic coal sector that can be incorporated in India.
- Discuss the recommendations from various government and ministerial committees towards this goal