

DETAILED PROJECT REPORT (DPR)

CONTENTS TO BE COVERED IN DPR

TECHNICAL & COMMERCIAL :

- Project at a Glance
- Executive Summary
- Demand Analysis & justification of the project capacity
- Availability of Raw Material , if any & procurement procedure
- Power generation scheme
- Description of main Plant Equipment, Auxiliary Equipment and systems
- Water Management System, if any
- Description of Plant Electrical System, Power evacuation System and interfacing with Grid
- Plant Instrumentation and Control system
- Plant layout & existing infrastructure facilities
- Operation & Maintenance set up
- Manpower requirement
- Environment impact/protection and waste management
- Socio-economic impact in the region due to project implementation
- Project implementation – Execution and management plan
- Project cost estimate
- Cost of generation and financial analysis
- Risk and sensitivity analysis

DRAWINGS

- Overall Plant layout
- Heat & Mass Balance diagram
- Water balance diagram
- General arrangement drawings of Boiler, T.G, Fuel & Ash handling system etc
- Schemes for Steam, Condensate, Cooling tower, D M water, air, flue, gas, compressed air system, etc
- P&I diagrams
- Single line diagram
- Switchyard layout
- Plant control system configuration