LITERATURE REVIEW

Virgilio spyer, (1994) describes in detail about Aerial Cableways as transport mode in brazil with special reference to mineracao MarroVelho.

The evolution of public transit modes has been a remarkable one, fueled by the need of different transit modes to handled different demand levels, Urban environment patterns and natural constraints and barriers. The transport of heavy material in Brazil is discussed here in detail with the solution of Aerial Cableways Transport.

Avadhesh etal. (2008),explained in detail about erformance modeling and behaviour analysis of coal handling system of a thermal power plant.

This paper describes the behaviour analysis of coal handling system of a thermal power plant. The detailed study was done on various handling systems. On the basis of various factors analysis of coal handling system was done. The performance modeling is explained in detail.

Arora n. Kumar. (1997),written a paper about Avaiablity analusis of steam and power generation system in thermal power plant.

In this paper the analysis of availability of steam & power generation system in thermal power plant is done. Various system one studied and on basis of the data and information comparison is made for analysis of availability of steam & power generation system in thermal power plant.

“Bhattachrya,etal.(2009) Written a paper about Impact of Coal Beneficiation on Rail transport in India Thermal Coal, which is the mainstay of India’s power generation, contains as high as 50% ash, to meet the rapidly growing demand for thermal power the transportation facilities need to be significantly expanded. The present work examines the impact of beneficiation on thermal coal transportation by railways and finds that it would considerably improve the loading capacity of wagons, there life and also release carrying capacity on the saturated rail network.
Barabody, etal. (2007) have explained in detail about Availability allocation through importance measures, International journal of quality and reliability management.
In this the explanation about importance measures for availability allocation is given in details. The management techniques are given in detail. Various methods of reliability management are discussed in detail.

Breanda Buchan, (2004) explained in descriptive manner in the paper about Coal- fired generation – provan and developing technologies, presented in office of market monitoring & strategic analysis,
In this paper the discussion on various technologies that have been developed over coal-fired energy with fewer dir emission. The counter balancing issues behind coal fire generation are examined. The issues of coal burning emission are also explained.

Carson J.W. etal. (2001) written about the subject why silos fail. The failure causes are discussed. The corrective actions, measures were discussed
In this paper the a various aspects regarding failure of silos were studies. The material conditions of lowing through silo were studied and various aspects of failure of silos were analyzed in detail.
Derham. d et al. (2001) have given the information about material characterization – A new route to cost effective design of bulk handling plant for thermal power stations and associated facilities.

In the international conference on power and bulk solids handling the various cost effective designs, methods of bulk handling plants for thermal power stations is explained in details. As coal is a bulk & major material handled in coal handling plant of thermal power plant the information is very useful to find various ways to improve coal management.

Goel, Malti (2007). have given presentation on ‘Barriers to Deployment of Clean Coal Technology: Kay Issues and Perspectives’, In this various issues related to clean coal technology implementation are discussed. The importance of the implementation of clean coal technology in power industry is discussed. The policies regarding integrated energy policy 2006 also explained.

Hatt, R. (1995), written in this paper the information about “Correlation the Slagging of a Utility Boiler with coal Characteristics”. This paper will describe how a utility was able to correlate intermittent slagging problems a boiler was experiencing with coal ash chemistry. This work does demonstrate that ash chemistry can provide information for determining whether or not a coal can be successfully used at power generation plant.

Joseph R.S. et al. (2006), have give the views and information about A conceptual integration of performance analysis, knowledge management technology; from concept to prototype
In this paper the management concepts regarding performance analysis are explained various techniques for analysis of performance are explained. A conceptual integration of performance analysis is studied in details.

Kerry L. et al. (2003) it gives information about ‘Improving fuel handling with PRB coal by converting a Bunker from funnel flow to mass flow’
This paper discusses tunnel flow challenges and explores options for alleviation those challenges. The focus of this paper is how WPS (Wisconsin public services) addressed this problem by converting their bunkers from a funnel to mass flow patterns. The fuel delivery system is studied in thus and the effective majors to improve it is explained.

Lim T.J.etal. etal. (2000), Analysis of system reliability with dependant repair models, IEEE transport
In this paper the explanation regarding system reliability is given. The aspect of dependant repair models is discussed on various data the analysis of system reliability with dependant repair models is done.

Chris Thomas (2002) the information in this paper is given about “Maintenance – A Business centered Approach”
This paper concentrates on how to resolve key success factors of maintains managers. The significant difference in maintenance effectiveness and individual output between various contents & individual contents is explained.

This paper describes importance of computerized maintenance management system for process industry. In process industry there are so many complicated process involved and to streamline it the computerization is effectful. Its effects are elaborated in detail.

Sorabh Gupta,etal.(2009) have given a paper about A marker model for performance evaluation of coal handling unit of a thermal power plant
The paper discusses the development of a marker model for performance evaluation of coal handling unit of thermal power plant using probabilistic approach. In this coal handling unit consists two subsystems with two possible states i.e. working & failed. Failures & repair rates of both are taken to be constant. After drawing tangential diagrams different equations have been generated. After that steady state probabilities are determined.
Steppling, et al. (2012) have given a paper about case study: How to achieve reliable coal flow and maintain plant availability.

In this paper the coal flow processes were studied. The impact of non reliable coal flow on power generation is explained. The techniques to maintain reliable coal flow are explained.

Sorabh Gupta, et al. (2009) have given the information about Simulation model for coal crushing system of a typical thermal power plant.

In this paper Coal Crushing Activities and various processes involved for this in thermal power plant are explained. Simulation Model helps to understand the Coal Crushing System of a thermal power plant.

Wright (2001) have given a paper about The use of Nord diagnostic and retrofit design techniques to eliminate coal and ash storage failure.

In this various techniques to eliminate coal & ash storage failure are explained coal & ash storage is major so how diagnostic and retrofit design techniques are useful is explained in detail.

Wright, et al. (1995) have given a paper about improving the free flow capacity of power station coal bunkers.

The methods to improve the free flow of coal to bunkers in power plant are explained in this article. The free flow capacity of bunkers is explained in details. The various methods for improving the free flow capacity of power station coal bunkers is explained.


This paper present this stochastic analysis and performance evaluation of turbo generator system of a thermal power plant by making the use of performance evaluation using probabiustic approach and repair rate for maximum availability of each system is analysed and then condition based maintenance decision are decide.

Zoran Djordjevic, et al. (2005) written information about Present conditions and trends of
the development in coal procession at the kolubara coal mine.

This paper has given a retrospective presentation of the coal processing plant in kolubara. Due to the lack of liquid, gaseous and quality solid fuel a massive winning of brown coal type was turned to, as the basis of the Serbian energy system. These factors were studied. Drying of coal concept is studied & explained in detail.