

THESIS

APPLICATION OF P3 PRIMAVERA MODEL FOR CONSTRUCTION PLANNING OF SATPARA DAM HYDROPOWER PROJECT



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ABSTRACT

In this study construction management plan is prepared for the Satpara Dam Hydropower Project. It is proposed to implement the project in eight stages so as to start the development of the area of a stage immediately after its completion instead of holding up the development activities till the completion of whole of the project. The extent of each stage was governed by the durations estimated for each, through the sub-divisions into minor detailed activities. The construction plan prepared with Primavera Project Planner P3 established a logical sequence of activities. The construction schedule was prepared with the existing planning and scheduling techniques for Satpara Dam Hydropower Project and effective and efficient management strategies were laid down for guidelines of actual construction works on site at Satpara Dam Hydropower Project. The results of the present study are encouraging and intend to attract both contractors and consultants to utilize "Primavera Project Planner P3" not only in this project but for other construction projects too, as it offers powerful and versatile features for project scheduling and monitoring. In brief the present study was a contribution to future work on construction management and hopefully it would be helpful for engineers and managers in management of water resources projects.