

# **THESIS**

## **QUALITY ASSURANCE AND CONTRACT MANAGEMENT STUDY OF GHAZI BARRAGE - GHAZI-BAROTHA HYDROPOWER PROJECT**

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**Submitted by:**

**MANSOOR ALI**

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# ABSTRACT

## QUALITY ASSURANCE & CONTRACT MANAGEMENT STUDIES OF GHAZI BARRAGE - GHAZI-BAROTHA HYDROPOWER PROJECT

Ghazi-Barotha Hydropower Project is unique of its type in Pakistan and all the activities related to the design, construction supervision, quality assurance procedures and contract management studies are being carried out by consortium of consultants of the International repute. The contract for construction of Barrage and Ancillary works (contract C-01) has been awarded to a Joint venture led by M/s Impregilo of Italy. The research studies has been carried out about quality assurance procedures and contract management during Barrage construction of the said project.

Quality Assurance and Contract Management studies play important role in achieving specified objectives of the project i-e to complete the project within specified quality, cost and time period. The main objective of the study is to have an introduction about the Quality Assurance, Quality Control and Contract Management studies being implemented on such large water resources project. The study will provide an opportunity to have an idea about the Quality Assurance concepts, contract problems, execution of large water resources contracts, set of activities for proper and efficient project and contract management.

The conclusions drawn from the present study is that for proper execution of large water resources project special emphasis should be given on planning and drafting the

highest standard of Quality Assurance Procedures and the Contract documents should be prepared carefully in respect of technical specifications, drawings, conditions of contract etc. Any omission or error in Contract documents may give benefit to the Contractor. The Ghazi Barotha Hydropower Project is also good example of joint venture among the World's best consulting engineering firms in water resources planning and design. This gives an opportunity in transfer of technology from developed countries to developing countries.

The Ghazi Barotha Hydropower Project is the pioneer in implementing/ practicing DRB for settlement of disputes. Experiences gained on this project may help to form views for adoption of the generic procedures of DRB of future large projects in Pakistan.

Engr. Mansoor Ali