

PREFACE

The write up contains five chapters. The first chapter contains general introduction to the problem where all the problems related to mining activities have been addressed. Legislation regarding mine restoration has been discussed.

The second chapter deals with literature review where the research and review work, national and international, related to our research has been discussed. Supportive as well as contradictory findings have been reported.

Then comes materials and methods, which contains a description of the systematic procedures followed to fulfill the objectives of this research such as the selection of the site, physicochemical analyses of spoil samples (pH, bulk density, organic carbon etc.), biological aspects covered (soil enzymes, plant growth). This also includes the planning and experimental design adopted to carry on the research.

Results and discussion being the fourth chapter, focuses on the explanations of the tables and figures containing the data or the projections of the data. These data are the outcomes of this research. The objectives of the methodology have also been explained. The reasoning of the results is provided as the discussion which refers to related and latest work in the relevant field. Old, but important references have been incorporated.

The final chapter 'Suggestions and conclusion' includes a discussion of the benefits derived from the plantation to mankind. It involves the necessities of promoting plantation in the mined out area. The conclusion drawn on the basis of the study has been described here. Some suggestions have been proposed which can further improve the reclamation process.