



Baroda Chapter

**INDIAN GEOTECHNICAL SOCIETY
BARODA CHAPTER**

IN ASSOCIATION WITH

APPLIED MECHANICS DEPARTMENT, MS UNIVERISTY OF BARODA



Proceedings Volume
Of
National Training Course

On

**CHEMICAL SEALING, WATERPROOFING
COMPOUNDS AND GROUTING/DEEP INJECTION**

(SEWAGI-09)
27TH JUNE - 2009



Indian Geotechnical Society, Baroda Chapter
Race Course Circle, GERI Campus,
VADODARA-390 007

**NATIONAL TRAINING COURSE ON
CHEMICAL SEALING, WATERPROOFING COMPOUNDS AND GROUTING/DEEP INJECTION
(SEWAGI-09)**

:CONTENTS:

PREFACE

Chemical grouts- some important aspects Murari Ratnam	1-16
Time-Viscosity relationships of Newtonian and Binghamian grouts D.L.Shah , A.V.Shroff	17-28
Epoxy grouting in restoring integrity of hydraulic structures and monuments of national importance J.M. Shirke, D.P.Amin, A.V.Shroff	29-40
Uretek methods for stabilization, lifting and soil improvement Graham Morphett	41-46
Microfine slag cement grouts N.H.Joshi	47-61
Under water grouting and rehabilitation works- case study of Hirakud dam S.S.Basarkar, Manish Kumar	62-70
Restoration, rehabilitation and retrofitting of aqueduct H.P. Pandya, Kiran Misra	71-77
Water proofing compounds-Nano technology Ajay Ranka Ami Parekh	78-84
Grouting techniques for geotechnical applications Y. Hari Krishna, Deepak Raj	84 - 93