

CONTENTS

Preface	iii
CHAPTER 1 Understanding the Green Rating Project	1
CHAPTER 2 Ecological and economic profile of the caustic-chlorine industry	9
CHAPTER 3 Profile of the caustic-chlorine companies selected by Green Rating Project	15
CHAPTER 4 The environmental impact & performance of the Indian caustic-chlorine sector	18
4.1 Input sourcing phase	20
4.2 Production and conversion phase	32
4.3 Product use and disposal phase	158
4.4 Corporate environment management	168
4.5 Stakeholder perceptions and primary survey	186
CHAPTER 5 Overall environmental rating of the Indian caustic-chlorine sector	191
CHAPTER 6 Mercury pollution and the future of mercury cell technology	195
CHAPTER 7 The future of the caustic- chlorine industry	209
CHAPTER 8 Recommendations of the GRP for the caustic-chlorine industry	217
Annexure	219
1 Environmental rating of caustic-chlorine sector Rules and regulations for assessment	220
2 Rating of caustic-chlorine companies	252
3 Specifications of electrolytic cells of Indian companies	287
4 Year-wise data – production and conversion phase	294
5 Year-wise data – pollution generation	312
6 Profile of the caustic-chlorine companies selected by GRP	325
References	334