

# ***CONTENTS***

	<u>Page No.</u>
Approval of the Viva-Voce Board	i
Certificate by the supervisor	ii
Declaration	iii
Curriculum Vitae	iv
Acknowledgements	vi
List of Tables	vii
List of Figures	viii
List of Abbreviations	ix
Abstract	xii
Papers Published/Presented	xiii
Contents	xiv
<b>Chapter 1 Beyond CSR: Sustainability Challenge for Business</b>	
1.1 Introduction	1
1.2 Theoretical backdrop of the study	2
1.3 The theoretical framework of CSR and responsibilities of a business	6
1.4 CSR in India and Gandhiji's concept of Trusteeship	9
1.5 Stakeholder theory on obligations of business	11
1.6 Why go beyond Corporate Social Responsibility and Stakeholder frameworks?	13
1.7 The framework of sustainability and sustainable development (SD)	24
1.8 Scope of the study	31
1.9 Objectives	32
1.10 Conclusion	32
<b>Chapter 2 The Oil and Gas Sector: Sustainability Issues</b>	
2.1 Introduction: Oil and Natural Gas	33
2.2 Upstream	35
2.3 Midstream	37
2.4 Downstream	38

2.3 Sustainability issues in oil and gas industry in general	38
2.6 Environmental sustainability	39
2.7 Social sustainability issues	40
2.8 Economic sustainability issues	41
2.9 Petroleum and Natural Gas Sector: India	42
2.10 Sector organization	45
2.11 History of the sector	48
2.12 Major players in the sector	50
2.13 Literature survey: Sustainability issues in petroleum and gas sector, India	53
2.14 Gap area	59
2.15 Conclusion	59

### **Chapter 3 Sustainability Reporting and Guidelines**

3.1 Introduction: Sustainability Practice and Sustainability Reporting	63
3.2 Global Compact (UN)	65
3.3 SA8000	66
3.4 Accountability 1000 (AA1000)	66
3.5 The Triple Bottom Line (TBL)	67
3.6 Global Reporting Initiative (GRI)	69
3.7 The Status of Sustainability Reporting in Indian Oil and Gas Sector	75
3.8 Conclusion	85

### **Chapter 4 Findings on Sustainability Reporting: Oil & Gas Companies in India**

4.1 Introduction: Current Status	87
4.2 Group A Companies	90
4.2.1 The Oil and Natural Gas Corporation Limited (ONGC)	90
4.2.2 Bharat Petroleum Corporation Limited (BPCL)	100
4.2.3 Indian Oil Corporation Limited (IOCL)	107
4.2.4 Reliance Industries Limited (RIL)	111

4.2.5 British Petroleum BP India Services Pvt Ltd	117
4.2.6 Eni India	119
4.2.7 BG Group	120
4.2.8 Shell India	121
4.3 Group B Companies	123
4.3.1 Gas Authority of India (GAIL India) Limited	124
4.3.2 Hindustan Petroleum Corporation Ltd (HPCL)	126
4.3.3 BOC India Ltd (BOCI)	128
4.3.4 Exxon Mobil Company India Private Limited (EMCIPL)	128
4.3.5 Cairn India	129
4.3.6 Niko Resources Ltd	130
4.3.7 Schlumberger	130
4.3.8 Baker Hughes	131
4.4 Group C Companies	132
4.5 Conclusions from the group analysis	135
<b>Chapter 5 Analysis of Findings: Oil &amp; Gas Companies in India</b>	
5.1 Introduction	137
5.2 Observation on the sample group	138
5.3 Group A	141
5.4 Group B	154
5.5 Group C	155
<b>Chapter 6 Outline of a Sustainable Business Model: Oil &amp; Gas Sector in India</b>	
6.1 Introduction	157
6.2 Outline of the sustainability model	158
<b>Chapter 7 Conclusions and Recommendations</b>	165
<b>Appendix</b>	175
<b>References</b>	179