

LIST OF FIGURES

Figure No.	Contents	Page No.
1.1	World-wide Declining Oil and Gas Discoveries	3
1.2	World-wide Crude Oil Production (MMT)	4
1.3	World-wide Oil Industry Investment (billion US\$)	4
1.4	Brent Crude Oil Prices (US\$/bbl)	5
1.5	Crude Oil Production and Consumption in India	7
1.6	Natural Gas Production and Consumption in India	8
1.7	Onshore Oil Well Head and Christmas Tree	9
1.8	Offshore Crude Oil Processing Platform	10
1.9	Onshore Natural Gas Processing Plant	10
1.10	Sucker Rod Pump at Well Head as EOR Method	11
1.11	Thesis Chapters Organization	22
2.1	Translating Vision and Strategy: Four Perspectives	30
2.2	Managing Strategy: Four Processes	31
2.3	Strategy Map	33
2.4	Performance Prism	33
2.5	EFQM Excellence Model	35
2.6	Risk Scorecard	42
2.7	Heat Map Scorecard	42
3.1	Conceptual Model of Research	69
3.2	Flowchart Showing Framework of Research Methodology	75
3.3	Flowchart Showing Statistical Analysis	76
3.4	Flowchart Showing Case Study	77
4.1	Research Design for Survey	84
4.2	Respondents' Profile	93
4.3	Mean Values of Independent Macro Variables	96
4.4	Mean Value of Dependent Macro Variable	96
4.5	Mean Values of Independent Micro Variables	98
4.6	Mean Values of Dependent Micro Variables	99
5.1	Validated Model: Macro Variables as Predictor of EPMS Effectiveness	105

Figure No.	Contents	Page No.
5.2	Validated Model: Micro Variables as Predictor of EPMS Strategic Alignment	110
5.3	Validated Model: Micro Variables as Predictor of EPMS Strategic Monitoring	112
5.4	Validated Model: Micro Variables as Predictor of EPMS Financial Perspective	114
5.5	Validated Model: Micro Variables as Predictor of EPMS Customer Perspective	116
5.6	Validated Model: Micro Variables as Predictor of EPMS Internal Business Process Perspective	118
5.7	Validated Model: Micro Variables as Predictor of EPMS Learning and Growth Perspective	120
5.8	Interdependence of Independent Macro Variables	123
5.9	Interdependence of Dependent Macro Variables of EPMS Effectiveness	125
5.10	Validated Model: Micro Variables as Predictor of EPMS Effectiveness	128
6.1	Research Design for the Case Study	135
6.2	SAP-LAP Model of Inquiry	137
6.3	Overseas Projects of ONGC Videsh Ltd.	139
6.4	Crude and Gas Production of ONGC	141
6.5	Annual Ultimate Recoverable Reserve Accretion in ONGC	141
6.6	Reserve Replacement Ratio in ONGC	142
6.7	Overseas Number of Projects of ONGC Videsh Ltd	142
6.8	Overseas Oil and Gas Production of ONGC Videsh Ltd	142
6.9	Profit After Tax (PAT) of ONGC	143
6.10	Return On Capital Employed (ROCE) of ONGC	143
6.11	Mean Values of Independent Macro Variables of EPMS in ONGC	150
6.12	Mean Values of Dependent Macro Variables of EPMS in ONGC	151
6.13	Mean Values of Independent Micro Variables of EPMS in ONGC	152

Figure No.	Contents	Page No.
6.14	Mean Values of Dependent Micro Variables of EPMS in ONGC	153
6.15	Crude and Gas Production of OIL	167
6.16	Annual Ultimate Recoverable Reserve Accretion in OIL	167
6.17	Reserve Replacement Ratio in OIL	167
6.18	Profit After Tax (PAT) of OIL	168
6.19	Return On Capital Employed (ROCE) of OIL	168
6.20	Mean Values of Independent Macro Variables of EPMS in OIL	173
6.21	Mean Values of Dependent Macro Variables of EPMS in OIL	174
6.22	Mean Values of Independent Micro Variables of EPMS in OIL	175
6.23	Mean Values of Dependent Micro Variables of EPMS in OIL	176
6.24	Comparison of Macro Predictors of ONGC and OIL from Survey	184
6.25	Comparison of Micro Predictors of ONGC and OIL from Survey	185
7.1	Validated Integrated Model for EPMS Effectiveness at Macro Level	191
7.2	Validated Model for EPMS Effectiveness at Micro Level	193
7.3	Interdependence of Independent Macro Variables of EPMS	195
7.4	Interdependence of Dependent Macro Variables of EPMS Effectiveness	196
7.5	Enterprise Performance Management System Maturity Model	198

* * *