## LIST OF FIGURES

Figure	No.	Page No
3.1	MAJOR U.S. BASINS AS PER THEIR GEOLOGICAL TIME SCALE	30
3. 2	U.S.CBM RESOURCES SHOWN INDIVIDUAL BASINS WISE	31
3.3	MAJOR COAL BASINS OF AUSTRALIA	34
3.4	CHINA'S COAL BASINS AND COAL BED METHANE RESOURCES	35
3.5	SCENARIO OF COAL RESOURCES IN EUROPE	37
3.6	MAJOR COAL FIELDS AND POTENTIAL CBM	39
3.7	MAXIMUM VALUES OF METHANE CONTENT IN BLOCKS OF INDIAN COALBEDS	49
7.1	MAP OF JHARIA BASIN	120
7.2	MAP OF AREA OF INTEREST FOR STUDY	122
7.3	DIFFERENT WELL LOG GRAPHICAL REPRESENTATION	127
7.4	WELL LOG ANALYSIS OF THE FIRST WELL A (JHRA-1)	129-135
7.5	WELL LOG ANALYSIS OF THE SECOND WELL B(JHRA-2)	136-153
7.6	WELL LOG ANALYSIS OF THE THIRD WELL C(JHRA-3)	154-174
7.7	WELL LOG ANALYSIS OF THE FOURTH WELL D(JHRA-4	) 175-192
7.8	WELL LOG ANALYSIS OF THE FIRST CORE WELL	193-199
7.9 7.10	WELL LOG ANALYSIS OF THE SECOND CORE WELL WELL LOG ANALYSIS OF THE THIRD CORE WELL	200-207 208-216

7.11	CROSS-SECTION OF MAJOR COAL SEAMS OF FOUR WELLS	217
7.12	CROSS-SECTION FOR CORRELATION OF COAL AND SAND BEDS	218
8.1	VISUAL DISPLAY FOR PROCESS FLOW-CHART	223