LIST OF PLATES

Sr. No.	Plate Name	Page No.
1.	(a) Exposure Map on basis of climate and demographic profile of selected districts	67
•	(b) Sensitivity Map on basis of ecosystem and agriculture profile of selected districts	67
•	(c) Adaptive Capacity Map on basis of socio-economic factors of selected districts	67
•	(d) Final Vulnerability Index Map generated on integration of exposure, sensitivity and adaptive capacity components	67
2.	Landuse map generated using Landsat 5 TM data for Oct 2009	70
3.	Landuse map generated using LISS IV data for Oct 2009	70
4.	Crop map generated using Landsat 5 TM data for Dabhasa village	73
5.	Crop map generated using LISS IV data for Dabhasa village	74
6.	Land Use Map derived from ENVISAT ASAR data using [a] Maximum likelihood classifier [b] Wishart Classifier	79
7.	Crop map generated using ENVISAT ASAR data	82
8.	Different agricultural fields of the study area	84
9.	Vegetation index map [a] NDVI [b] RVI derived from Landsat 5 TM (Oct 2009) for agricultural fields of Vadodara	92
10.	Vegetation index map [a] NDVI [b] RVI derived from LISS IV (Oct 2009) for agricultural fields of Vadodara	92
11.	NDWI Map derived from Landsat 5 TM (Oct 2009) for agricultural fields of Vadodara	93
12.	LAI Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5 TM derived RVI for cotton agricultural fields of Vadodara	97
13.	LAI Map generated from [a] LISS IV derived NDVI [b] LISS IV derived RVI (Oct 2009) for cotton agricultural fields of Vadodara	98
14.	LAI Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5 TM derived RVI (Oct 2009) for castor agricultural fields of Vadodara	100
15.	LAI Map generated from [a] LISS IV derived NDVI [b] LISS IV derived RVI (Oct 2009) for castor agricultural fields of Vadodara	101
16.	LAI Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5 TM derived RVI for banana agricultural fields of Vadodara	103
17.	LAI Map generated from [a] LISS IV derived NDVI [b] LISS IV derived RVI (Oct 2009) for banana agricultural fields of Vadodara	104
18.	RWC Map generated from [a] Landsat 5 TM derived cotton NDWI [b] Landsat 5 TM derived castor NDWI [c] Landsat 5 TM derived banana	107
10	NDWI (Oct 2009) for agricultural fields of Vadodara	111
	CC Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5 TM derived RVI (Oct 2009) for cotton agricultural fields of Vadodara	111
20.	CC Map generated from [a] LISS IV derived NDVI [b] LISS IV derived RVI	112

	(Oct 2009) for cotton agricultural fields of Vadodara	
21.	CC Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5 TM	114
	derived RVI (Oct 2009) for castor agricultural fields of Vadodara	
22.	CC Map generated from [a] LISS IV derived NDVI [b] LISS IV derived RVI	115
	(Oct 2009) for castor agricultural fields of Vadodara	
23.	CC Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5 TM	117
	derived RVI (Oct 2009) for banana agricultural fields of Vadodara	
24.	CC Map generated from [a] LISS IV derived NDVI [b] LISS IV derived RVI	118
	(Oct 2009) for banana agricultural fields of Vadodara	
25.	Biomass Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5	121
	TM derived RVI (Oct 2009) for cotton agricultural fields of Vadodara	
26.	Biomass Map generated from [a] LISS IV derived NDVI [b] LISS IV	122
	derived RVI (Oct 2009) for cotton agricultural fields of Vadodara	
27.	Biomass Map generated from [a] Landsat 5 TM derived NDVI [b] Landsat 5	124
	TM derived RVI (Oct 2009) for banana agricultural fields of Vadodara	
28.	Biomass Map generated from [a] LISS IV derived NDVI [b] LISS IV	125
	derived RVI (Oct 2009) for banana agricultural fields of Vadodara	
29.	Vegetation Health Index Map developed by combining Landsat NDVI	128
	derived CC, Landsat NDVI derived LAI and Landsat NDWI derived RWC	
	for cotton agricultural fields of [a] Luna [b] Mahapura [c] Muhavad [d]	
	Ekalbara [e] Dabhasa villages	
30.	Vegetation Health Index Map developed by combining Landsat NDVI	129
	derived CC, Landsat NDVI derived LAI and Landsat NDWI derived RWC	
	for castor agricultural fields of [a] Ranu [b] Pipli [c] Latipura [d] Bhoj [e]	
	Dobikuwa village	
31.	Vegetation Health Index Map developed by combining Landsat NDVI	130
	derived CC, Landsat NDVI derived LAI and Landsat NDWI derived RWC	
	for banana agricultural fields of [a] Luna [b] Dabhasa [c] Mahapura [d]	
	Sevasi [e] Sherkhi village	
32.	ENVISAT ASAR backscatter. Left: HH-polarized. Right: VV-polarized	132