District Environmental Atlas

(1:250,000 scale)

S. No.	Name of the Map	Features to be included			
	Part I: General				
1.	Administrative Divisions (Base map)	District boundary, Taluka/Block boundaries, major rivers/water bodies, major settlements/towns, National Highway/State Highway, other major district roads			
2.	Settlement map	 Classification of towns – metro & mega cities, Class I and Class II towns Population density Village boundaries 			
3.	Transportation network	Road network, rail, water ways, air port, harbours			
4.	Climate	Temperature – max. & min, rainfall - annual average, monthly & no. of rainy days, relative humidity, wind – direction & velocity			
5.	Natural Hazards	Earthquake, cyclone, flood, drought, hot desert, cold desert			
	t II: Physical C				
6.	Land use map (Real land use based on remote sensing data)	Forest: Evergreen/semi-evergreen forest, deciduous forest, forest plantation, degraded forest/scrubs, forest blank, Mangrove Agriculture: Kharif, Rabi, Double crop land (Kharif+ Rabi), plantation, fallow land, shifting cultivation Wastelands Water bodies Rivers, streams (perennial/seasonal), lakes, reservoirs and other water bodies Roads National Highway, State Highway, Major District Roads Railways Settlements/built-up land, built-up land with plantation			
7.	Physiography map	- contours - elevation ranges			
8.	Wastelands map	 gullied and/or ravenous land upland with or without scrub water logged and marshy land/salt pan land affected by salinity/alkalinity-coastal/inland shifting cultivation area under utilized/degraded notified forest land degraded pastures/grazing land degraded land under plantation crops 			

S.	Name of the	Features to be included
No.	Мар	canda desertia/seastal
		- sands-desertic/coastal - mining/industrial wasteland
		- barren rocky/stony waste/sheet rock area
		- steep sloping area
		- snow covered and/or glacial area
9.	Soil Types	Different types of soils
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10.	Land capability	Land Capability classes
	map	
D	 	Constant Makes Frankrick
	•	Ground Water Features
11.	Drainage map	Rivers/streams (perennial/seasonal), lakes and other water bodies and watershed/river basin boundaries, order of river (3 rd order and onwards)
12.	Irrigation map	Major rivers, canal system, barrages/submerged areas,
12.	Imgacion map	catchment areas, command areas-for present and proposed
		projects, irrigation projects, dams & reservoirs
13.	Ground water	- Contours of different depths - pre-monsoon
	table map	- Contours of different depths - post-monsoon
14.	Hydrogeomorp	- Geomorphic features
	hology Map	- Ground water potential
15.	Surface water	- Use classification (depict best use)
	use map	> Public drinking water supply or industrial water
		supply areas from rivers/surface water bodies with or without conventional treatment
		 areas known to be entirely dependence on surface
		water for drinking
		Coastal water used for salt pans, shell fishing,
		marine culture, aquaculture, shrimp farming,
		bathing, contact water sports, and commercial
		fishing or having other ecological sensitivity
		River stretches or water bodies used for propagation
		of wild life and fisheries
		- Location of major towns
		- Public water supply abstraction points
		- Discharge points, disposal points
		- Major industrial use
		- Pilgrim centers, organized bathing
1.0	C	- Hydel power projects, irrigation projects, dams & barrages
16.	Surface water	- Perennial, non-perennial
	flow map	- Maximum and minimum discharge
17.	Ground water	No. of days of flow per annumGround water recharge zone
1/.	use map	- Ground water recharge zone - Public supply abstraction points for piped supply
	asc map	- Dependency on ground water for irrigation purpose
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Part IV: Environmentally Sensitive Zones		

S.	Name of the	Features to be included			
No.	Мар				
18.	Biological Diversity	 National parks Wild life sanctuaries Game reserve Tiger reserve/elephant reserve/turtle nesting ground, breeding grounds Core zone of biosphere reserve Habitat for migratory birds Mangrove area Areas with threatened (rare, vulnerable, endangered) flora/fauna, protected corals Wetlands Botanical gardens, Zoological gardens, Gene Banks Reserved forests, Protected forests Any other closed/protected area under the Wild Life 			
		(Protection) Act, 1972			
		13. Any other area as locally applicable			
14.	Incompatible land use areas	 Public water supply areas from rivers/surface water bodies Public water supply areas from ground water Ground water recharge areas Scenic areas/tourism areas/hill resorts Religious places, pilgrim centers that attract over 10 lakhs pilgrims a year Protected tribal settlements (notified tribal areas where industrial activity is not permitted) Coastal Regulatory Zone (CRZ) Monuments of national significance World Heritage Sites Flood prone areas (based on flood in 1in 25 years) Agricultural research stations Air port areas Any other feature as specified by the State or local government and other features as locally applicable (including prime agricultural lands, pastures, migratory corridors etc.) 			
Par	Part V: Major Sources of Pollution				
14.	Location of existing industries/industries rial estates	 Industrial estates, growth centers, industrial clusters, Special Economic Zone, industrial complexes, etc., isolated Industries – large and medium scale Pollution load (District wise by using load factors) 			
15.	Location of mines	- Active and proposed mines, under ground/open cast mines, abandoned mines			
16.	Solid/hazardous waste generation	 MSW, bio-medical, hazardous wastes generated, plastics Location of disposal sites 			
17.	Vehicular pollution	Number and type of vehicles and distribution, vehicular pollution (parameter-wise graph)Fuel consumption (district-wise)			

S. No.	Name of the Map	Features to be included
1101	i iup	- Type of fuel used – vehicular, industrial, agricultural
18.	Domestic Sewage Load	 Waste water generated, treatment status, disposal – class I and Class II cities Organic load – urban & rural
19.	Consumption of fertilizer & pesticide map	- Fertilizer/pesticide consumption
Part VI: Environmental Quality		
20.	Air quality map	- location of monitoring stations - Air quality (low, medium, high, critical zones)
21.	Surface water quality map	location of monitoring stations surface water quality
22.	Ground water quality map	 location of monitoring stations ground water quality (contours of chloride, conductivity, pollutants etc.)
23.	Contaminated sites	- Polluted/contaminated areas