

Chapter 2

ABOUT THE STATE: From Water Perspective

2.1 Location

- Physiography, Topography & Geology
- Administrative Units / Profile- Divisions, Districts, Sub-Districts, Blocks/Talukas, Urban and Rural bodies (District/Middle/Village Panchayats), Habitations etc.
- Demographic profile including marginalized groups- SC, ST, Minority (5 Major minority groups as per statute with break up), Women, Disabled etc.

2.2 Environment

- Natural Resources
- Forests
- Flora and Fauna
- Aquatic life
- Others

2.3 Land Use Pattern and Land Cover

2.4 Economy

2.4 Drinking and Domestic use

2.5 Agriculture, Livestock, Fisheries & other water based farming systems

- Soil Profile / Classification- District /Sub-District wise
- Soil erosion and run off status with maps -Annexure
- Agro-ecological/ Climatic zones with Annexure
- Aquifer zones and what is being practiced and the gap identification.
- Gap between recommended and existing cropping / farming methods:
 - Recommended cropping pattern/ farming system as per Agro-climatic zone and
 - Cropping Intensity and other parameters
 - Existing Cropping /farming System with Annexure
 - Existing Cropping Pattern / Plantation/ Farming system with Annexure
- Area wise & Crop wise Irrigation Status:
 - Irrigation based classification
 - Analysis of Rain fed Vs Irrigated agriculture with Tables and graphs with Annexure
 - Trend analysis of Production and Productivity of Major Crops
 - Crop water productivity/production data with Annexure
 - Irrigation water availability at Critical Stages for different Crops with Annexure
 - Crop wise Irrigated Area and source of irrigation with Annexure
 - Land holding category, area covered and irrigation with Annexure
 - Crop productivity in rain fed agriculture and irrigated agriculture
- Measurement systems of Water in Agriculture / Farming
- Field Water Management: Watering / Irrigation Methods and coverage- Crop wise, Watershed wise, Block wise, District wise.
- Water harvesting:
- Watershed data and maps
 - List of Gauged and un-gauged watershed
 - Watershed based water availability and water consumption data
 - Water use efficiency
 - Crop wise, Watershed wise, Block wise, District wise etc.
- Technology and Innovation in improving Water Use Efficiency
 - Drainage System

- Condition
- Drainage water Quality
- Reuse of drainage water
- Agrarian crisis and Water-Droughts/ Floods/ Water quality issues
- Other Green cover
- Fuel wood/Biomass yield
- Fodder
- Livestock-Kinds, numbers, issues etc.
- Fisheries
- Others
- 2.6 Infrastructure
- 2.7 Industries
 - Total number, types & capacities of industries (including categorization of water intensive industries); details of industrial clusters located etc.
 - Status of water cess and water pricing for industries
- 2.8 Service Sector
 - Transportation-Railways, Road ways, Airways, water ways
- 2.9 Urbanization-Cities, Towns and Villages
- 2.10 Tourism - water recreation/sports
- 2.11 Traditional Water Structures
- 2.12 Human Development Index, indicators and trends
- 2.13 Socio economic overview
- 2.14 Historical events/ Timelines having impact on Water in the State
- 2.15 Extreme events/ Disasters

(Note: Data source should be provided and refer District Agriculture Plans, District Irrigation Plans)

Note.2: Avoid duplication of data if similar data is provided in any of the chapter. Then provide reference. Else it can also be vice versa.

Illustrative Sources for Information for the Report

State Profile	Gazetteer, Census Report and other sources of State Government
Physiography etc.	
Demography	Census of India
Environment	
Land Use Pattern	Revenue record, State Agriculture Plan, PPR, Land Use Plan etc.
Economy	Economic Survey
Drinking Water	
Crop Statistics	Departments of Agriculture/Horticulture etc. Agricultural Statistics at a Glance 2015
Livestock & Fisheries	Livestock / Fisheries Census of India, Dept. of Animal Husbandry, Fisheries and others
Climate	IMD, Regional ICAR Centers, SAUs
Soil Profile	SLUSI, NBSS, Indian Institute of Soil Science, Department of Land Resources
Soil Erosion	ICAR regional centre and sediment monitoring station
Irrigation	Departments of Irrigation, Agriculture, Horticulture etc. Agriculture statistics, irrigation statistics of CWC, Indian statistics, open government data platform
Production/Productivity	State Agriculture Dept.
Water harvesting & Water sheds	Departments of Agriculture, Panchayat and Rural Development