Location of Study Area

India

Maharashtra

Legend

Upper Krishna Basin

Drainage

Upper Krishna Basin

(15190 sq. km.)

Source: Basin Boundary Based on GSDA

Fig. 1.1
UPPER KRISHNA BASIN
GEOLOGY

Legend
Geology
- Diveghat Formation
- Mhabaleshwar Formation
- Purandargarh Formation
- Water Body

Source: Based on District Resource Map (GSI)

Fig. 2.2
UPPER KRISHNA BASIN
DIGITAL ELEVATION MODEL

Legend
Elevation (Meters)
- 1140 - 1400
- 880 - 1140
- 620 - 880
- 360 - 620
- 100 - 360

Source: Based on SRTM Data
Fig. 2.6
UPPER KRISHNA BASIN
AVERAGE ANNUAL RAINFALL (mm)

Legend
Average Annual Rainfall (mm)
- Low (480 - 1024)
- Moderate (1025 - 2742)
- High (2743 - 5875)

Source: Based on Rainfall data of IMD,Pune

Fig. 2.8
Legend

Rainfall Intensity

- Low (12 - 18.61)
- Medium (18.62 - 27.15)
- High (27.16 - 54.91)

Source: Based on Rainfall data of IMD, Pune

Fig. 2.9
Source: Based on SOI Toposheets

Fig. 2.12
UPPER KRISHNA BASIN

SOIL

Legend
Soil Texture
- Brown and Red
- Deep Black
- Lateritic
- Medium Black
- Shallow Black

Source: Based on GSI Soil Map

Fig. 2.13
UPPER KRISHNA BASIN
SLOPE ASPECT

Legend
- Flat (-1)
- North (0-22.5)
- Northeast (22.5-67.5)
- East (67.5-112.5)
- Southeast (112.5-157.5)
- South (157.5-202.5)
- Southwest (202.5-247.5)
- West (247.5-292.5)
- Northwest (292.5-337.5)
- North (337.5-360)

Source: Based on SRTM Data

Fig. 2.5
UPPER KRISHNA BASIN
LANDUSE PATTERN

Legend

- Forest Land
- Area Not Available for Cultivation
- Cultivable Waste
- Fallow Land
- Net Sown Area

Source: Socio-Economic Review and Statistical Abstracts, 2011

Fig. 2.15
UPPER KRISHNA BASIN
AGRICULTURAL LANDUSE PATTERN

Legend
AGRICULTURAL LANDUSE PATTERN
- Cereals
- Pulses
- Oil Seeds
- Sugarcane
- Others

Source: District Agriculture Department, 2010

Fig. 2.16
UPPER KRISHNA BASIN
SEX RATIO (2001)

Legend

Sex Ratio
LOW (873 - 949)  
MEDIUM (950 - 1000)  
HIGH (1001 - 1100)

Source: Based on Census of India, 2001
UPPER KRISHNA BASIN
LITERACY (2001)

Legend
Literacy (%)
- LOW (51 - 62)
- MEDIUM (63 - 71)
- HIGH (72 - 83)

Source: Based on Census of India, 2001

Fig. 2.20
UPPER KRISHNA BASIN
MAJOR AND MEDIUM IRRIGATION PROJECTS

Legend

- Drainage
- Major Irrigation Project
- Medium Irrigation Project

Source: Based on Dept. of Irrigation, Govt. of Maharashtra

Fig. 3.4
UPPER KRISHNA BASIN
EXISTING LINK PROJECTS

Legend

- Drainage
- Arfal Project
- Mhaishal Project
- Takari Project
- Tembhu Project
- Urmodi Project

Source: Based on Dept. of Irrigation, Govt. of Maharashtra

Fig. 5.12
UPPER KRISHNA BASIN
LOCATION OF SAMPLE VILLAGES

Legend
Sample Villages
- Alsund
- Upale Mayani
- Shivaji Nagar
- Shivani
- Alte
- Rajapur
- Nimani
- Shirgaon

Drainage
- Arfal Project
- Takari Project
- Mhaishal Project
- Urmodi Project

Source: Based on Dept. of Irrigation, Govt. of Maharashtra

Fig. 6.1