ABSTRACT

STATE OF ENVRONMENT AND NATURAL RESOURCES

Guruprasad. M.R[1]; Ravindranath N H[1&2]
1.Centre for Ecological Science, Indian Institute of Science, Bangalore, India
2.Centre for Sustainable Technologies, Indian Institute of Science, Bangalore, India

---

Conservation and sustainable management of natural resources are fundamental to sustainable food production, water supply and livelihoods. Natural resources such as land, biodiversity, water, livestock and soil are being continuously exploited by human societies often leading to the degradation of these resources. Village ecosystems are complex systems with inter-linkages between natural resources as well as livelihoods of communities.

The state of environment and natural resources report of a village focuses on major natural resources, its status and trends over the years and also the inter-linkages. With this understanding, the report highlights key environmental issues with implications for resource, livelihoods and sustainability. To understand the status and trends, indicators were identified and an inventory of the natural resources carried out. Agro-ecological zone (AEZ) approach has been adopted in selecting the village, taking into consideration the key features of the selected AEZ and the representativeness of the village. This facilitates understanding of the strata of the sub-AEZ in which the village is located. This report serves as a model and has been generated adopting the indicators and methods developed by the Indian Institute of Science for monitoring natural resources.

The report presents general information of the village in the initial section. Subsequent sections systematically address the status of various resources, and the final section concludes with a synthesis of the findings which identifies inter-linkages of various resources and environmental issues.