



## **IMPACT OF WATER CONSERVATION ON AGRICULTURE: A CASE STUDY OF SHIRPUR PATTERN**

**Mr. Sanjaykumar P. Phad<sup>1</sup>& Dnyanoba P. Chate<sup>2</sup>**

---

### **ABSTRACT**

**A**griculture is the backbone of Indian economy although share of agriculture and allied sectors in total Gross value added (GVA) is nearly 18 percent but it employing nearly 49 percent of our labour force. Therefore for an economic development of this fifty percent of population agriculture development is necessary and irrigation is one of the most important inputs for enhancing productivity and it is also required at different critical stages of plant growth of various crops. At the same time to meet the increased demand for food due to growing population requires the innovative practices in the field of agriculture which cannot be successful unless irrigation facilities are provided to the same. Due to overexploitation of water resources, it has become scarce in many parts of the country. So, water conservation strategy has great importance to the economic, social and cultural development in India. Top priority needs to be given for managing water resources in the most optimal way to increase Agriculture crop productivity. In the present situation water conservation and management is enormous challenge in 21<sup>th</sup> century. This problem is very serious in arid and semi-arid regions of Maharashtra as well as in India. This research paper attempts to show one of the effective way i.e. Shirpur Water Conservation Pattern to overcome the problem of water scarcity in arid and semi-arid regions and, its impact on cropping pattern in the Dhule district.

**KEY WORDS:** *Water conservation techniques, Shirpur water conservation pattern, water scarcity, cropping pattern etc.*

---

---

<sup>1</sup>Assistant Professor, Department of Economics, S.N.D.T. Women's University, Mumbai, Maharashtra, India.

<sup>2</sup>Research Scholar, Department of Economics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India.

---