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## IMPACT OF UJJANI IRRIGATION PROJECT IN AGRICULTURAL DEVOP OF SOLAPUR DISTRICT A GEOGRAPHICAL ANALYSIS



**Prof. Dr. Awate S. J.**  
**Head Dept. of Geography ,**  
**Walchand College of Arts & Science, Solapur.**

### ABSTRACT

Irrigation is a soul of agricultural without irrigation and traditional agriculture is not way of complicate the developing agriculture scenario in world irrigation facilities farmer is able to snow farmer's cash crops for braining more benefits which bring about the change in cropping pattern of the region. Irrigation responds the shift from seasonal cultivation to permanent way of money source. In green revolution irrigation is one of element of this revolted because it motivates the multiplies in cropping and optimum production. The nature and intensity of land use is closely related to the irrigation the bhima ujjani dam is one of the imp irrigation project in Maharashtra. In drought prepare area of solapur district ujjani irri project is a golden pase keyword culture irrigator bhima ujjani way of money.

**KEYWORDS** :Ujjani irrigation project , geographical analysis, developing agriculture .

### INTRODUCTION

The bhima ujjani dam is important irrigation project in solapur district the total irrigation potential of 129440 hectors for flow irrigation and lift irrigation. The eight tahsils as Madha,Mohol,N.solapur,S.solapur,Malshiras,Pandharpur,Mangalwedha,Akkalkot are benefits by left and right and of the bhima irrigation project lift irriral and madha karmala tehsils are benefiting bt this project. The length of this dam is 2467 meter and its height is 428 meter.

**OBJECTIVE:**

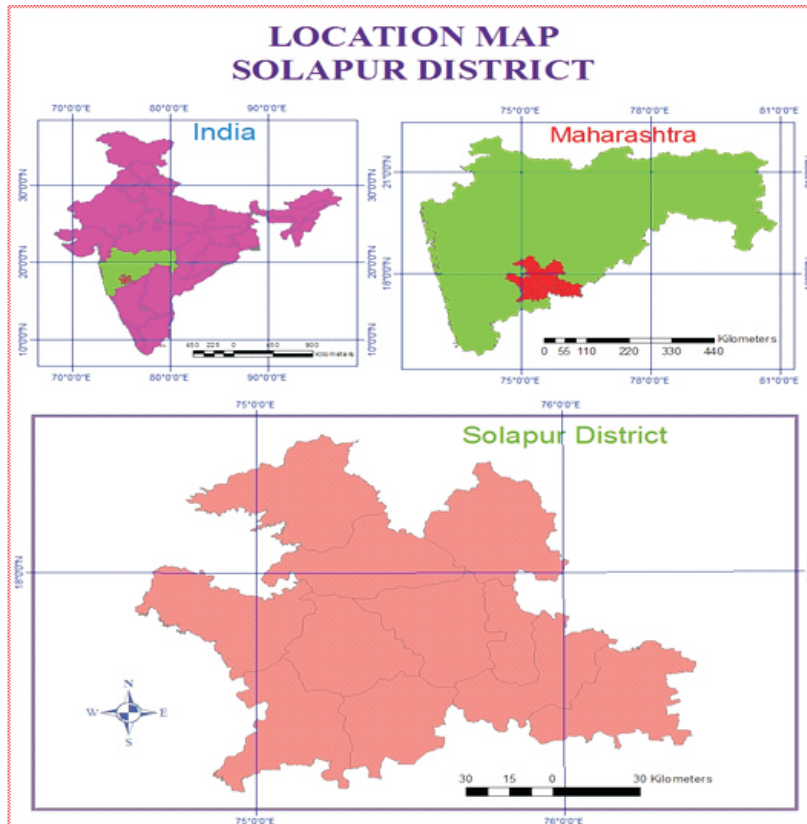
The present study is to study main objectives of the impact of ujjani irrigation project on agricultural development in the drought prone district of solapur.

**DATA BASE AND METROLOGY:**

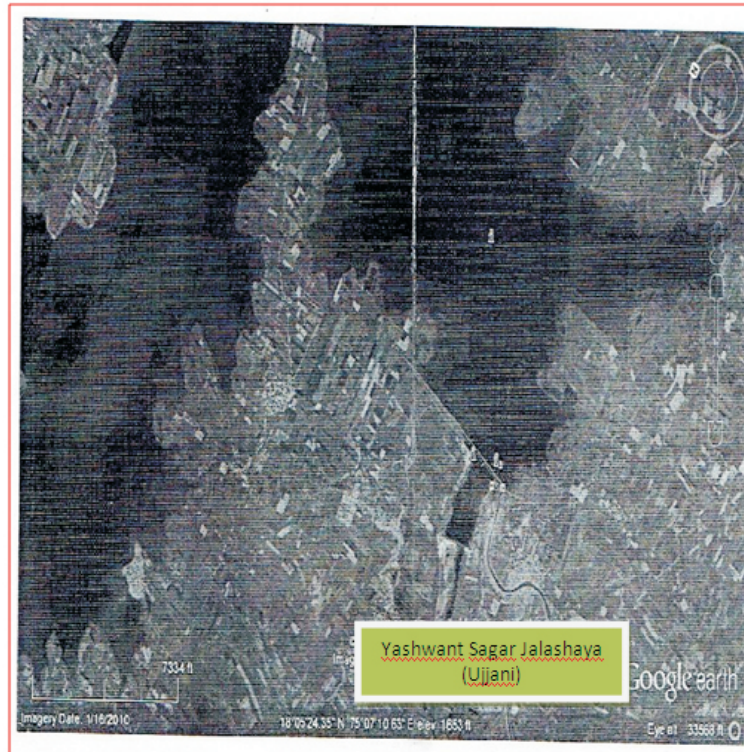
The data for present study have been obtain from secondary solapur this study is based on available data related to this project published by the abstracted from statistical report publish by the government as Maharashtra also secondary data regarding this irrigation project have been obtained from published and unpublished records of ujjani project department the collected data have been processed and presented through tables and maps.

**STUDY REGION:**

Drought prone area in Maharashtra covers about one third party of geographical area of the stage entire solapur district, expect few patches this region is coming drought prone area. This district is located in southern Maharashtra. Its occupies an area of in 845.59 km<sup>2</sup> and supports 43 lakh of population administratively the district is divided in to eleven tahsils. Its latitudinal extent is 17°10'North to 18°32' North and longitudinal extension is 74°42' east to 76°15' East broadly the physiographic of the district may be grouped in to truce parts is







- (1)the hills and ghats height between (750-850 meters)
- (2)The Foot Hills (650 to750 meters)
- (3)The plains platters (below 650 to 500 meter)

**RESULT AND DISCUSSION:**

Drought prone area of Maharashtra like most of other parts of the country is basically agricultural and rural. However agricultural as this area despite limited irrigation facility provably. when this ujjani project received entail approval in august 1664 the picture changed in this drought prone area total grass catchment area estimated 14856 sq.km under this project total 51 villages are town solapur district 25 villages were pune district and 3 villages was ahmadnagar district number of villages land under submergence total 82 villages are affected in this 30 villages are from solapur district 38 villages were from pune district and 14 villages were from ahmednagar district. In this project total project total water stores was atemeted 169.37 T.M.C. net available water storage is 117.11 T.M.C.

**Storage Water**

Type	Storage
(A) Gross	117.248 T.M.C.
(B) Live	53.579 T.M.C.
(C) Dead	63.665 T.M.C.

**Evaporation Loesser**

	Season	Loss
A	Kharip	3.52 T.M.C.
B	Rabbi	4.80 T.M.C.
C	Hot Water	7.68 T.M.C.
	Total	16.0 T.M.C.

Source: Bhima Project Silent Features

It is observed that total storage of this project is 117.248 T.M.C. in this 53.579 T.M.C. is belonging to live for use and 66.665 T.M.C. is dead storage. Which is used in critical condition e.g. servers drought drinking water. In this project concentration is also taking to Evaporation loss this storage in various scansions.

In kharip 3.52 T.M.C. water should be evaporate loss 4.80 T.M.C. is coss in Rabi seasion and in summer session the loss is 7.68 T.M.C. which is very high back water of ujjani is ver great there for this evaporation is very high output this storage 16 T.M.C. water is not used for irrigate in every year.

#### **Present situation of Bhima irrigation (ujjani) Project:**

This project is complain 1990 the bhima (ujjani) irrigation project envisages contraction of a composite dam across river bhima tribute of river Krishna along with canal western to cater for irrigation in drought prose area of Solapur district. As per administratively approved project of 20.8.1964 the project contemplated utilization of 1942 mm<sup>3</sup>. Of water irrigate 121440 hectors in which 112940 hectors by flood canal (flow) irrigation and 8500 hectors by lift irrigation from back water. The cropping pattern for this project was perennial crops In 1986 to adopt eight monthly cropping patterns to extend the facility of irrigation over laser area in solapur district. The original cost of this project was 43 crores in 1965. The latest cost of this project including extension and establishment was 102880 crores at the end of March 2004 which is 28 time more then 1965. This extortion is because of length and time west in construction of this project.

#### **CONCLUSION:**

Bhīma ujjani project is a dream project of yashwantrao chavan former children of Maharashtra. Solapur district is highly affected by drought with in every five years 3 years are drought condition in this area. Hence it is necessary to concert work for this district. So this project was lunched with is aims It is to very important project because before construction of this project there was five sugar mills in solapur district now 30 sugar factories are located in this drought prone area. Impact of this project social economic conditions are increase day by day The percept income standard of living is increased in this distract political condition is also changed in this drought prone area.

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