

**Kalikadevi Arts, Commerce and Science
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**"Imbalance of Irrigation in Maharashtra :
Problem and Prospects"**

Presented by

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Introduction

From India to America middle east to Australia rain shadow has spread. Heat temperature is going to increase, due to that water conservation is going to decrease. To develop a nation infrastructure facilities should be developed i.e. electricity, roads, communication, transport, health etc. 71% part of earth has been surrounded by water. 97% water is oceanic water, 3% water is sweet water, but in that 2% water is ice water and 1% water is used for human being. In India 41% water is used for irrigation. In Maharashtra 17.9% water is used for irrigation and in Marathwada 13% water is used for irrigation.

Annual rainfall Analysis

Region	Rainfall
Konkan	2700 mm
Western Maharashtra	770 mm
Marathwada	650 mm
Vidarbha	950 mm

We can see less rain fall is in Marathwada than Konkan. The highest percent of rain fall can be seen in Konkan and the lowest percent in Marathwada.

Imbalance of irrigation in part of Maharashtra

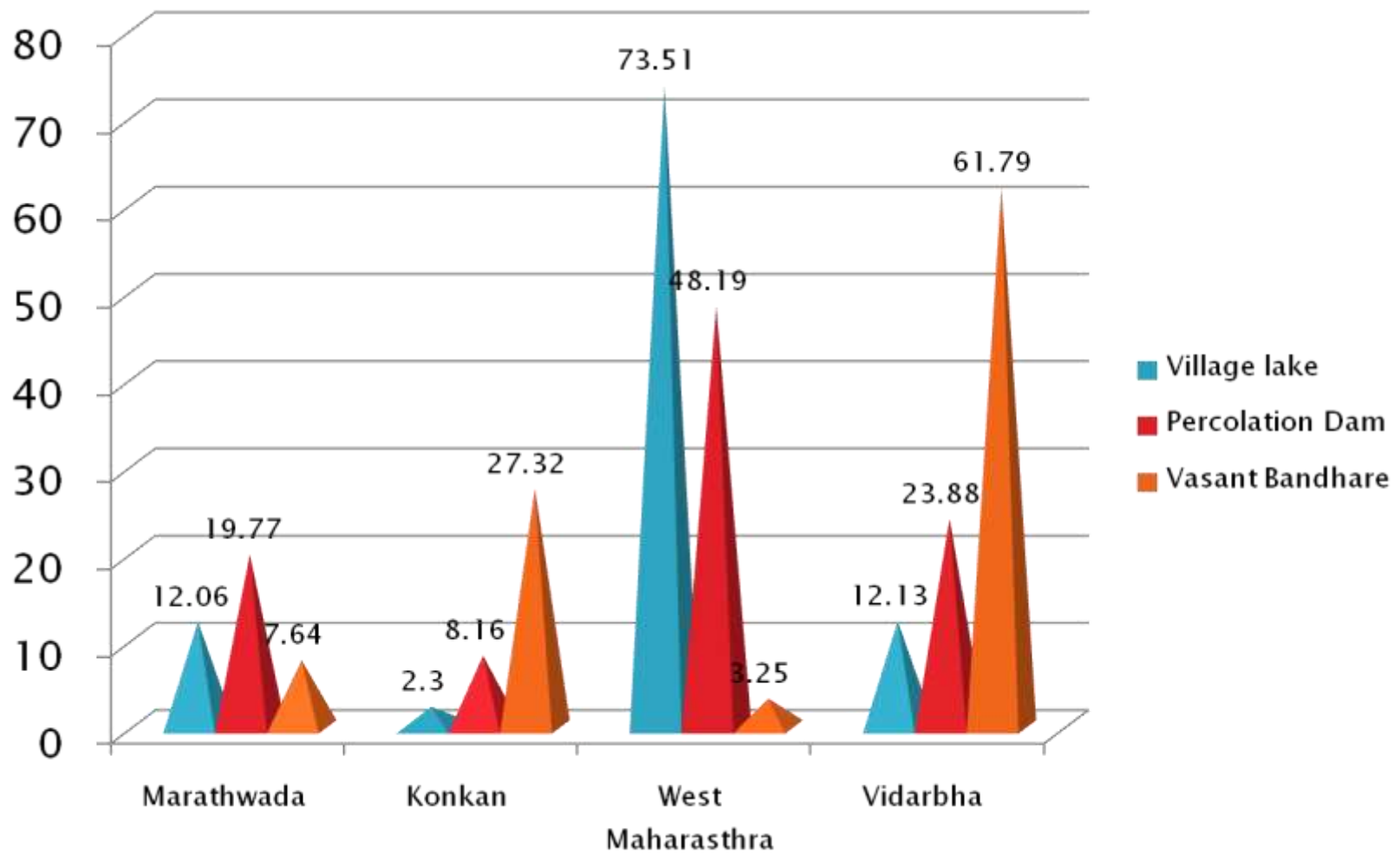
Region	Rainfall Percentage
Marathwada	23.29 %
Konkan	2.10 %
Vidarbha	21.60 %
Western Maharashtra	53.01 %
Total	100 %

Western Maharashtra irrigation is higher i.e. 53.01%. In Konkan irrigation is 2.10%, Marathwada irrigation is 23.29% and in Vidarbha it is 21.60%.

Comparative study of Small dam Storage in Maharashtra

Region	Village lake	Percolation dam	Vasant Bandare	Kolhapuri Bandhare		
				0 to 100 hq.	101 to 250 hq.	250 to up to
Marathwada	340 (12.06)	361 (19.77)	47 (7.64)	930 (26.84)	28 (13.86)	30 (8.08)
Konkan	65 (2.30)	159 (8.16)	168 (27.32)	92 (2.66)	19 (9.41)	03 (0.81)
West. Maharashtra	2073 (73.51)	880 (48.19)	20 (3.25)	935 (26.98)	117 (57.92)	313 (84.37)
Vidarbha	342 (12.13)	436 (23.88)	380 (61.79)	1508 (43.52)	38 (18.81)	25 (6.74)
Maharashtra	2820 (100)	1826 (100)	615 (100)	3465 (100)	202 (100)	371 (100)

Comparative study of Small dam Storage in Maharashtra



- **The highest number of village lakes are found in western Maharashtra while the lowest number of village are in Konkan region.**
- **In the matter of percolation dams the highest is western Maharashtra region while the lowest is Konkan region.**
- **In the case of Vasant Bandhara Vidarbha is the region having highest number of Vasant Bandhare while western Maharashtra is the lowest.**
- **when we talk about Kolhapur type of Bandhare, in 0-100 hector & vidarbha is on the top while Konkan is lowest.**
- **In 101-250 hector again western Maharashtra is highest while Konkan is the lowest.**
- **In 250 and above hector, western Maharashtra tops the table while Konkan is the lowest.**

Problems :

- Due to cutting of forest the sinking of water is been done in small way and the water is running rapidly into lakes and rivers.
- The scheme of joining the rivers was not implemented.
- The techniques of stepping water & conserving water are not thought about.

Remedies :

- **To complete the building dams quickly.**
- **Optimum use of available water.**
- **To increase the level of water below the earth.**
- **Use of sprinkle water, drip water in irrigation.**
- **To stop water and sink water system should be adopted.**
- **To develop basic infrastructure.**

Thank you!

