Perspective of Water in Maharashtra: A Study - Munde B.M. and Gosavi Sunil | ...

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Perspective of Water in Maharashtra: A Study

By Munde B.M. and Gosavi Sunil*

Indian administration: II is not only flat ander professiona are processional in whole, the country has been facing a water orisis both regrouture as well as for basic needs. Maharashira state has an average 1433-cm precipitation, which is not equal in entire area which is not equal in entire area which is not equal in entire area which is not equal in entire area the state. Konkan Mumba and the state. Konkan Mumba and the state. Konkan Mumba and the state of the manashira have every 30 cm and a state of the Manashira have every 30 cm anishali. In stat decade, Maharashira fore, impath and the a round 17 percent. Furthermore there is big problem of directing wetter is transactions have their to forcus on masakability, witkings and polytical	conclusion that to reduce the problems of water in future there is an urgent need of the same of the same of the potential, efficiently use the existing potential, cocept water average does do average retrieves the same of the average does do average average does do average average average does average average does do average average does do average average does do average does do average do average does do average does do average does do average do a	Availability of Water As per the data of Correla Water Corrension, the total impation potential of the county is estimated to be 190.65 million header from all organic results, it is an an and impation review. It is an an an and impation review. It is an an and is an and and an and and and impation review. It is an an and impation review. It is an an and impation review. It is an an and in the lower all is nation to an population and gross composed uses. Forkam is no used efficiently, because of unsultable states for positivation the states and and out output of out-wate is index of and and output of out-wate is index of and and where the states and
Mr. Mundle B.M., and Dr. Gosavi Sunii, Are Asst. Professors, both are from Dept. of Economics, Kermaveer Bhaurao Patil Collego, Vash, Navi-Mambai.	2. Water management is not efficient in Maharashira. Research Methodology This paper purely depends on secondary data. To collect the	As per the information available from CWC, 3596 large dams were completed in the country in 2002. Besides this, 695 projects were under construction. Of which 34 and

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		Table-1			43 percent dams Maharashtra, Maharas
	Distribution	of Large Dams in Ir	ndia and Maharas	ihtra	distinction of having
Sr.	No.Period	India	Maharashtra	% to India	number irrigation procession country. The Table-
۱.	Up to 1950	293	51	17.406	picture of large dams and India.
2.	1951-60	234	25	10.684	Table-1 shows that
3.	1961-70	461	146	31.670	large dams in India accounted 35 percent
	1971-80	1190	589	49.496	potential is only
5.	1981-89	1066	324	30.394	Obviously, it shows o resulted inefficiency o
	1990 and above	116	10	8.621	construction projects.
7.	Year not known	236	84	35.593	Water Storages Availal & Non-Irrigation W
3.	Under Construction	695	300	43.165	Irrigation System Perf
-	Total	4291	1529	35.633	Table-2 presents th storages on an average
_	mparative Status of	Table-3 an Average Ground	Water Level in	MaharashtraSr. 2012	18947 mourn during th The water using patte and non-irrigation wa
_		an Average Ground			The water using patter and non-irrigation wa 27.34 percent respective
Sr.I	No Decline in Groun	an Average Ground	2011	2012	The water using patter and non-irrigation wa
Sr.1	No Decline in Groun (In Mtr.)	an Average Ground	2011 No.of Talukas	2012 No.of Talukas	The water using patter and non-irrigation water 27.34 percent respective stable during the set 2000-01, utilized potent 35.02 percent, it was 44.41 percent in 2006-0
Sr.1	No Decline in Grour (In Mtr.) 0	an Average Ground	2011 No.of Talukas 231	2012 No.of Talukas 175	The water using patte and non-irrigation we 27.34 percent respects stable during the sa 2000-01, utilized potenti 35.02 percent, it was it 44.41 percent in 2005-0 it was declined to 40 2008-09. Notable fact is
_	No Decline in Grour (In Mtr.) 0 0-1	an Average Ground	2011 No.of Talukas 231 84	2012 No.of Talukas 175 70	The water using patte and non-irrigation wa 27.34 percent respects stable during the sa 2000-01, utilized potent 35.02 percent, it was 44.41 percent in 2005-01 it was declined to 46 2008-09. Notable fact is period of nine years
Br.1	No Decline in Grour (In Mtr.) 0 0-1 1-2	an Average Ground	2011 No.of Talukas 231 84 23	2012 No.of Talukas 175 70 38	The water using pattern and non-irrigation wa 27.34 percent respects stable during the sa 2000-01, utilized potent 35.02 percent, it was in 44.41 percent in 2005- it was declined to 40 2008-09. Notable fact is period of nine years only 37.38 percent utilized. It shows the
Sr.1 1. 8. 8.	No Decline in Grow (In Mtr.) 0 0-1 1-2 2-3 More than 3	an Average Ground	2011 No.of Talukas 231 84 23 09 06	2012 No.of Talukas 175 70 38 39	The water using path and non-intgation we 27.34 percent respectiv- stable during the sa 2000-01, utilized potent 35.02 percent, it was 2006-00, Notable fact is period of nine years only 37.38 percent utilized, it shows the water using. Therefore, need to think serioush
Sr.1 1. 8. 8.	No Decline in Grow (In Mtr.) 0 0-1 1-2 2-3 More than 3	an Average Ground	2011 No.of Talukas 231 84 23 09 06	2012 No.of Talukas 175 70 38 39	The water using paths and non-ingation vs 27.34 percent respectiv- stable during the sa 2000-01, usitized potent 35.02 percent, it was 44.41 percent in 2006-C It was declined to 44.45 2006-00. Nettable fact is period of nine years 2006-00. Nettable fact is period of nine years only 37.38 percent utilized. It shows the water using. Therefore, need to think serious)
Sr.1	0 Decline in Groue (In Mtr.) 0 0-1 1-2 2-3 More than 3 arce: Survey on Grou	an Average Ground nd Water Level	2011 No.of Talukas 231 84 23 09 06 , 2013.	2012 No.of Telukas 175 70 38 39 51	The water using path and non-intgation we 27.34 percent respectiv- stable during the sa 2000-01, utilized potent 35.02 percent, it was 2006-00, Notable fact is period of nine years only 37.38 percent utilized, it shows the water using. Therefore, need to think serioush
Sr.1 1. 3. 5. 5.	0 Decline in Groue (In Mtr.) 0 0-1 1-2 2-3 More than 3 arce: Survey on Grou	an Average Ground nd Water Level nd Water Level, Jan Table-4	2011 No.of Talukas 231 84 23 09 06 , 2013. Cipitation and Water Sh	2012 No.of Telukas 175 70 38 39 51	The water using paths and non-integration we 27.34 percent respect: stable during the sa 2000-01, utilized potent 35.02 percent, it was 44.41 percent in 2006-01 44.41 percent in 2006-01 period of nine years only 37.38 percent utilized. It shows the water using Therefore, potential optimally. Tab situation. Decline in Ground V 2012
Sr.1	bo Decline in Grow (in Mtr.) 0 0-1 1-2 2-3 More than 3 arce: Survey on Grou Relationship among Yecipitation Less of	an Average Ground Ind Water Level Ind Water Level, Jan Table-4 Ground Water, Pres	2011 No.of Talukas 231 84 23 09 06 , 2013. Cipitation and Water Sh Fro	2012 No.of Talukas 175 70 38 39 51 ter Shortage	The water using paths and non-impaction us 27.34 percent respecti- stable during the sa 2000-01, utilized potent 35.02 percent, it was i 44.41 percent in 2000-C It was declined to 44.42 2008-00. Netable fact is period of nine yaars 2008-00. Netable fact is period of nine yaars only 37.35 percent utilized. It shows the water using Therefore, need to think serious potential optimally. Tab situation. Decline in Ground ¥
Sr.1 1. 2. 3. 4. 5. Sol	Vio Decline in Grour (In Mir.) 0 0-1 1-2 2-3 More than 3 arce: Survey on Groc Relationship among recipitation Less of reage by re rehan 20 %	an Average Ground Ind Water Level Ind Water Level, Jan Table-4 Ground Water, Pre- Ground Water Level	2011 No.of Talukas 231 84 23 09 06 , 2013. Clpitation and Water Sh Fro nan 3 Mtrs.	2012 No.of Tabukas 175 70 38 39 51 ter Shortage ontage Will Start m the Month of	The water using paties water and point-ingation we rand point-ingation we rand point-ingation we random set to the source of the set source of the set of the set patient of the set source of the set source of the set source of the set point of the set source of the s

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tra	43 percent dams were in Maharashtra. Maharashtra has the distinction of having the largest
% to India	number Irrigation projects in the country. The Table-1 shows the
17.406	picture of large dams in Maharashtra and India.
10.684	Table-1 shows that out of total
31.670	large dams in India, Maharashtra accounted 35 percent, but irrigation
49.496	potential is only 6.40 percent.
30.394	Obviously, it shows controversy and resulted inefficiency of the irrigation
8.621	construction projects.
35.593	Water Storages Availability, Irrigation & Non-Irrigation Water Use &
43.165	Irrigation System Performance
35.633	Table-2 presents the Maharashtra storages on an average 74 percent of the storage designed of water during
aharashtraSr.	2000-01 to 2008-09. Actual storage was increased to 24803 mcum from 18947 mcum during the same period. The water using pattern as irrigation
2012	and non-irrigation was 72.66 and
No.of Talukas	27.34 percent respectively. It was not stable during the same period. In
175	2000-01, utilized potential of water was 35.02 percent, it was increased up to
70	44.41 percent in 2006-07, but after this it was declined to 40.68 percent in
38	2008-09. Notable fact is that during the
39	period of nine years on an average only 37.38 percent potential was
51	utilized. It shows the inefficiency in water using. Therefore, there is urgent
r Shortage	need to think seriously and use our potential optimally. Table-2 shows the situation.
	Decline in Ground Water Level in
tage Will Start the Month of	2012
the Month of	In 2012, out of 353 talukas in the state, 224 talukas having less rainfall
October	than average. In 111 talukas rainfall
January	is less by 20 percent than average. Because of less rainfall the level of
April	ground water has declined in Maharashtra. Which is shown in the
	map.

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				2	2010 12					
Table-2 Storages of Water, Irrigation & Non-Irrigation Water Use & Irrigation System Performance										
	Storage	is of Wate	r, Irrigation	& Non-Irrigat	ion Water I	Jse & Irrigi	tion Syste	m Perform	nance	
Inigation YEAR	Designed storage (Moum)	Actual Storage on15th Oct.	% of actual storage to Design (Moum)	Wa Irrigation an (Mourn)/ storage	ter Use For Non Ini- gation (Mcum) %	Total Water use Mourn) water %	% of Total Water use actual to Actual storaged	Potential Created (Mha)	Potential Utilized (Mha)	% d Utilised Potentia Io Tota
2000-01	26748	18947	70.84	13575/78	3858/22	17433	92.01	3.706	1.298	35.02
2001-02	28062	18717	66.70	12346/76	3980/24	16326	87.23	3.769	1.25	33.17
2002-03	28715	18936	65.94	12965/75	4236/25	17201	90.84	3.812	1.318	34.58
2003-04	28840	16941	58.74	10569/69	4790/31	15369	90.72	3.863	1.244	32.20
2004-05	28889	18298	63.34	10603/69	4860/31	15463	84.51	3.913	1.257	32.12
2005-06	29110	24860	85.40	13689/74	4926/26	18616	74.88	4.003	1.617	40.39
2006-07	29531	27309	92.48	16630/65	4293/35	25404	93.02	4.132	1.835	44.41
2007-08	29116	25489	87.54	19763/75	6671/25	26435	103.71	4.331	1.897	43.80
2008-09	33071	24803	75.00	18486/73	6880/27	25366	102.27	4.486	1.825	40.68
Average	29120. 22	21588. 89	74.00	14291.78	4943.78	19734.78	91.02	4.002	1.51	37.38

rrigation Status Report, 2008-09 GOM

	(with Compare to Average of Last Five Years, 2006-2011)						
Region	Total No. of Blocks	Decline in Gr 0-1 Mtr.	Decline in Ground Water Level (In Mtr) 0-1 Mtr. More than 01 Mtr.		Decline in Precipitation 0-20 % More than 20 %		
Konkan	47	17	00	18	04		
Nasik	54	12	25	14	32		
Pune	57	17	27	27	14		
Aurangabad	76	14	44	21	49		
Amrawati	56	04	12	15	08		
Nagpur	63	06	00	18	03		
Total	353	70	108	113	111		

vey on Ground Water Level, Jan, 2013.

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