

RAJASTHAN

Rajasthan, 'Land of Kings' or 'Land of Kingdom' is India's largest state by area. The State located on northwest part of country and is a home of cultural diversity. Its features include the ruins of Indus Valley Civilization, Temples, Forts and Fortresses in almost every city.

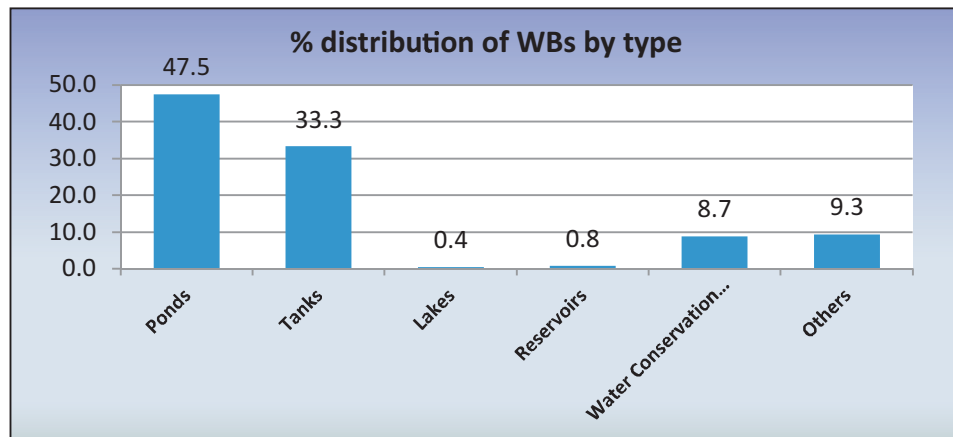
Rajasthan has 33 districts with a total geographical area of 3,42,239 square km² and a population of 6,85,48,437.

Major findings of the census

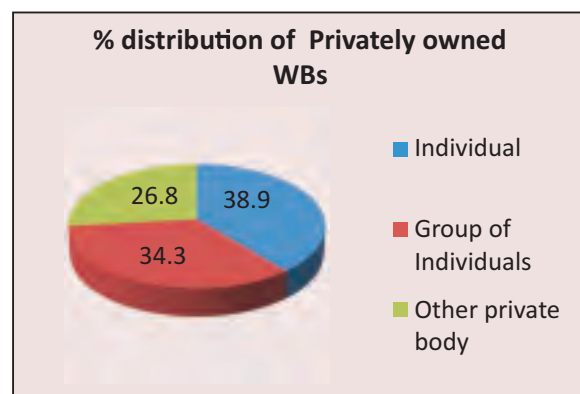
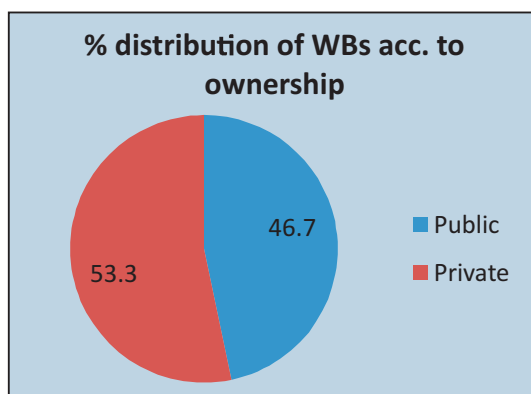
- In 1st census of water bodies, 16,939 water bodies have been enumerated in the State of Rajasthan, out of which 98.9% (16,750) are in rural areas and the remaining 1.1% (189) in urban areas. Majority of the water bodies are ponds as depicted from chart given below.



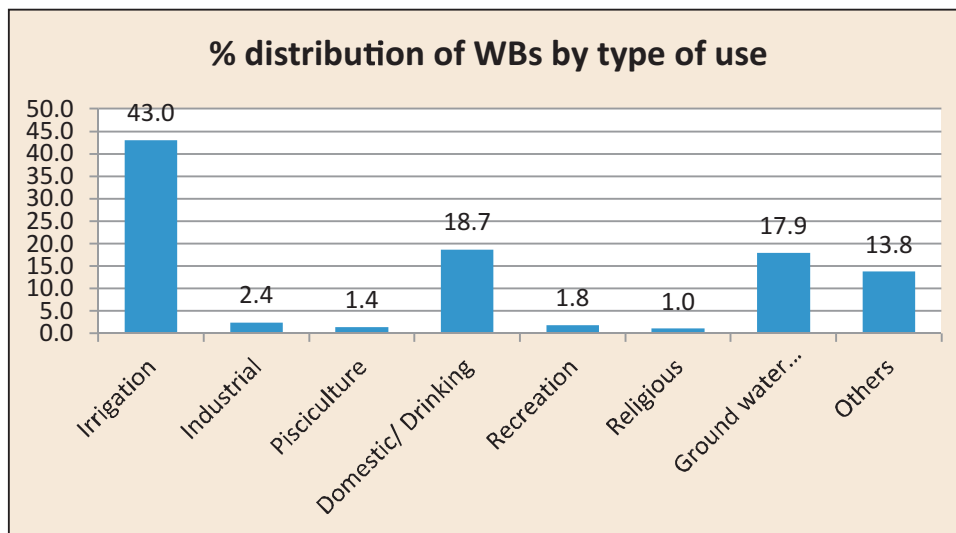
A tank in Chittorgarh district



- 53.3% (9,033) are privately owned whereas the remaining 46.7% (7,906) are under public ownership. Distribution of water bodies by ownership status is shown in the charts given below. By location, 10.3% (1,745) water bodies are located in tribal areas, 6.1% (1037) in Drought Prone Area Program(DPAP) areas and remaining 83.6% (14,157) are located in Desert Development Plan (DDP), flood prone, naxal affected areas and other areas.



- Out of all water bodies, 79.2% (13,416) water bodies are in use whereas rest 20.8% (3,523) are not in use on account of drying up, siltation, salinity, destroyed beyond repair and other reasons. Out of 'in use' water bodies, a major proportion of water bodies are used in Irrigation followed by domestic/ drinking purpose. Percentage distribution of water bodies by type of use is shown in the diagram given below.

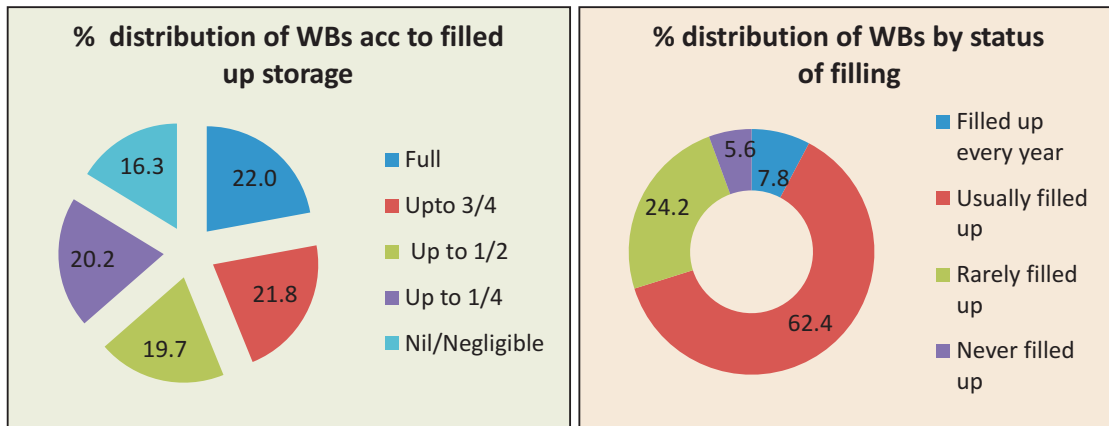


- In the State of Rajasthan, there are 4,799 natural and 12,140 man-made water bodies. Out of 4,799 natural water bodies, 98.5% (4,727) water bodies are located in rural areas and the remaining 1.5% (72) are located in urban areas. Out of 12,140 man-made water bodies, 99% (12,023) water bodies are located in rural areas and the remaining 1% (117) in urban areas. Most of the man-made water bodies have original cost of construction upto Rs. 1 lakh.

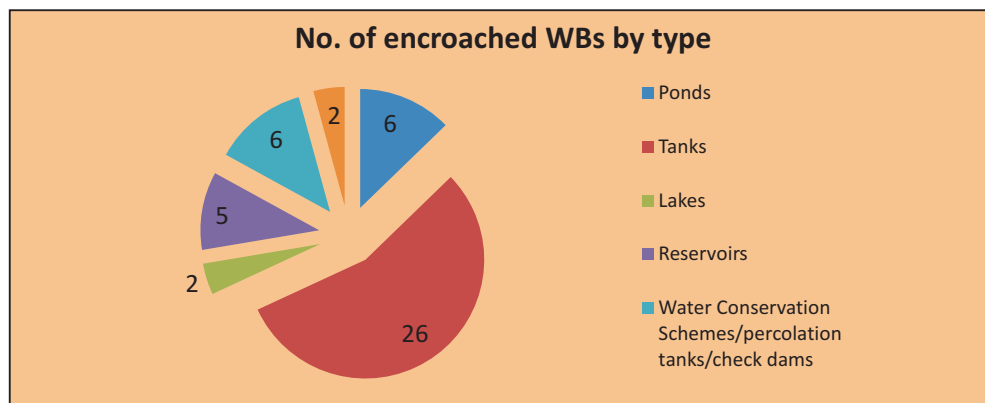


A lake in Bhilwara District

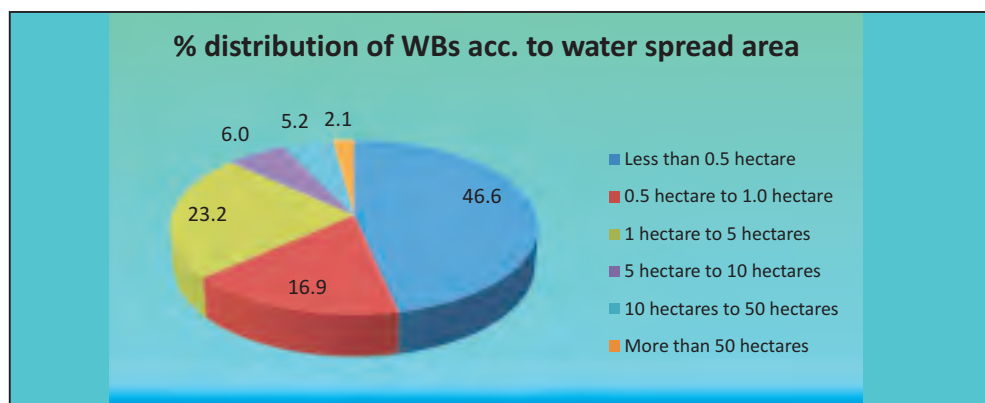
- Out of 16,939 water bodies, the information on 'filled up storage capacity' and 'status of filling' was collected for 13,883 water bodies. During reference year 2017-18, out of these 13,883 water bodies, 22% (3,067) water bodies had fully filled up storage capacity, 21.8% (3,022) water bodies had storage capacity filled upto three fourth level, 19.7% (2,736) water bodies had storage capacity filled upto half level, 20.2% (2,798) water bodies had storage capacity filled upto one fourth level whereas 16.3% (2,260) had nil/negligible storage capacity. Based on the criteria of filling up of storage capacity during last 5 years, out of 13,883 water bodies, 7.8% (1,077) water bodies are found to be filled up every year, 62.4% (8,664) are usually filled up, 24.2% (3,361) are rarely filled up and 5.6% (781) are never filled up. Percentage distribution of water bodies by 'status of filling' and 'filled up storage capacity' is shown in the diagram given below.



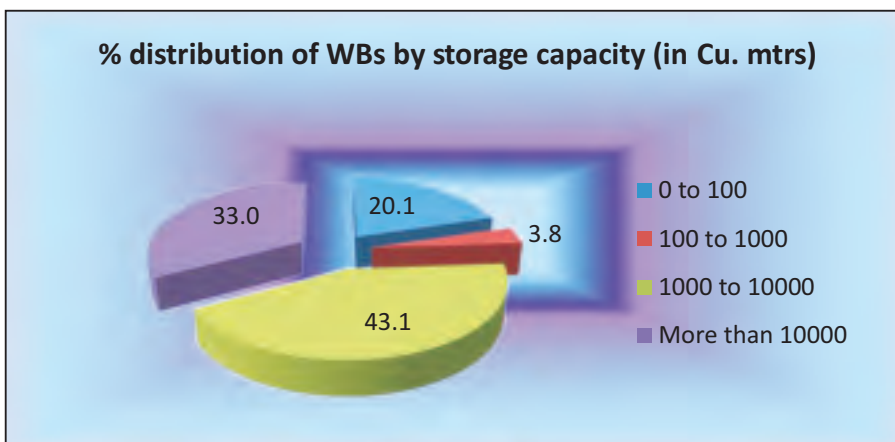
- Out of all water bodies, 3.7% (629) are covered in District Irrigation Plan/State Irrigation Plan. Among these 41.3% (260) are tanks and the remaining 58.7% (369) are ponds, lakes, reservoirs etc. Out of 'in use' water bodies, 89.9% (12,057) are benefitting one (01) city/town, 9.6% (1,282) water bodies are fulfilling requirements of 2- 5 cities/ towns and the remaining 0.5% (77) water bodies are benefitting more than five (05) cities/towns. State has reported encroachment in 0.3% (47) water bodies out of all the enumerated water bodies. The number of encroached water bodies by type is shown in the chart given below.



- Out of 16,939 water bodies, 46.6% (7,893) of the water bodies have water spread area less than 0.5 hectares whereas, 16.9% (2,861) water bodies have water spread area between 0.5 hectares to 1.0 hectares. Distribution of water bodies by 'water spread area' is shown in chart given below:



- In terms of storage capacity, 43.1% (7,294) water bodies have storage capacity between 1,000 to 10,000 Cubic Meters whereas 33.0% (5,590) have storage capacity more than 10,000 cubic meters. Distribution of water bodies by 'storage capacity of water bodies' is shown in chart given below:



- Key parameters of First Census of Water Bodies for the State of Rajasthan are given in the Annexure.

S.No.	Parameter	Unit	Value	Percentage to Total *
1	Total Number of Water Bodies	no.	16,939	
	Total Number of Water Bodies in Rural Areas	no.	16,750	98.88
	Total Number of Water Bodies in Urban Areas	no.	189	1.12
a	Total Number of Water Bodies by type	no.		
	Ponds		8,046	47.50
	Tanks		5,639	33.29
	Lakes		66	0.39
	Reservoirs		132	0.78
	Water Conservation Schemes/ Percolation tanks/ Check dams		1,481	8.74
	Others		1,575	9.30
b	Water Bodies with Private Ownership	no.	9,033	53.33
	Water Bodies by area	no.		
	DPAP		1,037	6.12
	Tribal		1,745	10.30
	DDP		236	1.39
	Flood Prone		52	0.31
	Naxal affected area		46	0.27
	Others		13,823	81.60
	Total		16,939	100.00
2	Water Bodies by type of use	no.		
	Irrigation		5,766	42.98
	Industrial		322	2.40
	Pisciculture		187	1.39
	Domestic/ Drinking		2,511	18.72
	Recreation		244	1.82
	Religious		137	1.02
	Ground Water recharge		2,406	17.93
	Others		1,843	13.74
	Total		13,416	100.00
3	Natural/ Man Made Water Bodies	no.		
	Natural		4,799	28.33
	Man Made		12,140	71.67
4	Water Bodies Not in use due to reasons	no.		
	Dried up		16,88	47.91
	Construction		235	6.67
	Siltation		268	7.61
	Destroyed beyond repair		104	2.95
	Salinity		25	0.71
	Due to industrial effluents		5	0.14
	Others		1,198	34.01

S.No.	Parameter	Unit	Value	Percentage to Total *
5	Distribution of Water Bodies as per status of filling	no.		
	Filled up every year		1,077	7.76
	Usually filled up		8,664	62.41
	Rarely filled up		3,361	24.21
	Never filled up		781	5.63
	Total		13,883	100.00
6	Distribution of Water Bodies by number of city/ town benefitted	no.		
	1		12,057	89.87
	2 to 5		1,282	9.56
	6 to 10		53	0.40
	11 to 20		13	0.10
	21 to 50		10	0.07
	50 to 500		1	0.01
	Total		13,416	100.00
7	Distribution of Water Bodies by Water Spread Area	Ha.		
	Less than 0.5 hectares		7,893	46.60
	0.5 hectares to 1.0 hectares		2,861	16.89
	1 hectares to 5 hectares		3,938	23.25
	5 hectares to 10 hectares		1,018	6.01
	10 hectares to 50 hectares		873	5.15
	More than 50 hectares		356	2.10
	Total		16,939	100.00
8	Distribution of Water Bodies by Storage Capacity (in Cu. Mtrs)	Cu. Mtrs		
	0 to 100		3,419	20.18
	100 to 1000		636	3.75
	1000 to 10000		7,294	43.06
	More than 10000		5,590	33.00
	Total		16,939	100.00
9	Number of encroached water bodies	No.	47	

*: Due to rounding off of the decimal places, the percentages may not add upto 100 at certain places.