

Rain Water Harvesting Structures

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Central Ground Water Board (CGWB) has prepared a conceptual document titled “Master Plan for Artificial Recharge to Ground Water” - 2013 which provides information about area specific artificial recharge techniques to augment the ground water resources based on the availability of source water and capability of subsurface formations to accommodate it. The Master Plan envisages construction of about 1.11 crore artificial recharge structures in urban and rural areas at an estimated cost of about Rs. 79178 crore. This comprises around 88 lakh recharge structures/ facilities utilizing rainwater directly from roof top and more than 23 lakh artificial recharge and rainwater harvesting structures for conserving surplus runoff to augment the ground water resources. It is estimated that annually about 85,565 MCM of surplus run-off is to be harnessed to augment the ground water. The Master Plan is available in public domain on the website of the Ministry / CGWB and has also been circulated to the State Governments for implementation. State-wise rural and urban artificial recharge structures as proposed in the Master Plan are given below. It is also pertinent to mention here that water resources is a State subject and thus respective State Government utilize the guidelines issued by the Ministry in their on-going schemes for improved ground water resources.

State Wise Rural and Urban Artificial Recharge Structures as Proposed in Master Plan

S.No.	State	Rural		Urban		Total	
		Structure (Number)	Cost (Rs. in crore)	Structure (Number)	Cost (Rs.in Crore)	Structure (Number)	Cost (Rs. in crore)
1	Andhra Pradesh (undivided)	68625	2703.15	750000	1230.00	818625	3933.15
2	Bihar	2058	128.81	100000	164.00	102058	292.81
3	Chhattisgarh	87202	1856.21	200000	309.00	287202	2165.21
4	Delhi	8	0.40	142850	1097.50	142858	1097.90
5	Goa	1393	83.58	10000	16.40	11393	99.98
6	Gujarat	18775	769.00	500000	725.00	518775	1494.00
7	Haryana	44727	1255.30	376000	1675.00	420727	2930.30
8	Himachal	102328	573.47	50000	82.00	152328	655.47
9	Jammu & Kashmir	1688	168.80	100000	145.00	101688	313.80
10	Jharkhand	26282	1733.34	200000	290.00	226282	2023.345
11	Karnataka	72985	1998.66	700000	1148.00	772985	3146.66
12	Kerala	754427	5457.72	315000	456.75	1069427	5914.47
13	Madhya Pradesh	532724	10717.61	600000	984.00	1132724	11701.60

14	Maharashtra	51157	7926.34	1605670	2765.75	1656827	10692.09
15	NER states	15250	765.90	400000	656.00	415250	1421.90
16	Odisha	5856	525.00	300000	499.50	305856	1024.50
17	Punjab	79924	2021.47	375000	1650.00	454924	3671.47
18	Rajasthan	9603	1566.07	500000	820.00	509603	2386.07
19	Sikkim	1905	54.07	5000	13.25	6905	67.32
20	Tamil Nadu	193574	9284.63	0	0.00	193574	9284.63
21	Uttar Pradesh	108945	7629.28	1200000	1968.00	1308945	9597.28
22	Uttarakhand	2900	414.75	48250	68.25	51150	483.00
23	West Bengal	97360	3450.06	300000	522.00	397360	3972.06
24	A & Nicobar Island	1640	44.02	1200	8.00	2840	52.02
25	Chandigarh	0	0.00	8700	652.50	8700	652.50
26	Dadra & Nagar Haveli	65	3.38	1000	1.50	1065	4.87
27	Daman and Diu	0	0.00	4044	4.44	4044	4.44
28	Lakshadweep	0	0.00	6100	30.50	6100	30.50
29	Puducherry	1740	61.40	1000	3.05	2740	64.45
	Total	2283141	61192.41	8799814	17985.39	11082955	79177.80

This information was given by Union Minister of State for Water Resources, River Development and Ganga Rejuvenation Shri Arjun Ram Meghwal in a written reply in Lok Sabha today.

SKP/jk

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