

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 644**  
ANSWERED ON 13.12.2018

**AQUIFER MAPPING**

644. SHRIMATI POONAM MAHAJAN

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) whether the Government has initiated the National Aquifer Management Programme and if so, the salient features thereof;
- (b) the total area selected for aquifer mapping, State-wise;
- (c) the quantum of funds allocated for the implementation of the programme since its inception, year-wise;
- (d) the timeframe fixed by which aquifer mapping and management plans are expected to be completed; and
- (e) the steps taken by the Government to accelerate the pace of implementation of the said Programme?

**ANSWER**

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND  
GANGA REJUVENATION & PARLIAMENTARY AFFAIRS

(SHRI ARJUN RAM MEGHWAL)

(a) to (e) Yes, the National Aquifer Mapping and Management Programme (NAQUIM) was initiated in 2012 as a part of the Ground Water Management and Regulation Scheme. Salient features of the programme include delineation and characterization of the aquifers and preparation of plans for ground water management.

Total area identified for aquifer mapping is 24.85 lakh km<sup>2</sup>. State-wise and UT-wise break up of area identified is given in **Annexure**.

Aquifer Mapping is the major component of the Ground Water Management & Regulation Scheme (GWM&R scheme). The quantum of funds allocated under GWM&R scheme since inception of the Aquifer Mapping programme in the year 2012-13 is as under:

Name of Scheme	Allocations in different years						
	(Figures are for Revised Estimates (RE) for the years 2012-13 to 2017-18 and for Budgetary Estimate (BE) for the year 2018-19)						
	Rs in Crore						
Ground Water Management and Regulation	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
	( RE)	( RE)	( RE)	( RE)	( RE)	( RE)	( BE)
	180.00	140.00	143.00	164.02	115.00	275.00	450.00

Areas to be covered under the programme have been prioritized based on extent of ground water stress, ground water quality and other related issues. Out of the total identified mappable area of nearly 25 lakh km<sup>2</sup>, an area of nearly 13 lakh km<sup>2</sup> is targeted to be covered by the year 2020.

To accelerate implementation of the programme, activities and yearly targets till 2020 have been firmed up. Central Ground Water Board (CGWB) is making all out efforts for timely completion of the targets. A National Inter-departmental Steering Committee (NISC) has been constituted by the Ministry of Water Resources, River Development and Ganga Rejuvenation for steering the programme. Also the progress of the programme is regularly being reviewed at various levels in CGWB and the Ministry of Water Resources, River Development and Ganga Rejuvenation.

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## ANNEXURE

Annexure referred to in reply to parts (a) to (e) of Unstarred Question No. 644 to be answered in Lok Sabha on 13.12.2018 regarding “Aquifer Mapping”

State and UT-wise areas (in km<sup>2</sup>) for which aquifer maps have been identified

S.No.	State/UT	Area for which aquifer maps identified (km <sup>2</sup> )
1	Andaman and Nicobar Islands	1774
2	Andhra Pradesh	141784
3	Arunachal Pradesh	5461
4	Assam	61644
5	Bihar	90567
6	Chandigarh	114
7	Chhattisgarh	96000
8	Dadra & Nagar Haveli	490
9	Daman & Diu	112
10	Delhi	1483
11	Goa	3702
12	Gujarat	160978
13	Haryana	44179
14	Himachal Pradesh	7660
15	Jammu & Kashmir	10490
16	Jharkhand	65797
17	Karnataka	191808
18	Kerala	28088
19	Lakshadweep	32
20	Madhya Pradesh	265234
21	Maharashtra	256529
22	Manipur	2559
23	Meghalaya	3063
24	Mizoram	700
25	Nagaland	2522
26	Odisha	119636
27	Puducherry	463
28	Punjab	50368
29	Rajasthan	334152
30	Sikkim	1496
31	Tamil Nadu	104552
32	Telangana	104824
33	Tripura	6198
34	Uttar Pradesh	241345
35	Uttarakhand	7811
36	West Bengal	71947
	<b>Total</b>	<b>2485562</b>

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