

INTEGRATED WATERSHED MANAGEMENT

MINISTRY OF RURAL DEVELOPMENT

INTEGRATED WATERSHED MANAGEMENT PROGRAMME

19th March 2015

LSQ 3895

C.R. CHAUDHARY
BIRLA SHRI OM

Will the Minister of **RURAL DEVELOPMENT** be pleased to state:-

- (a) whether the Government has modified Integrated Watershed Management Programme (IWMP) recently, if so, the details of the changes made and the reasons therefore indicating the details of States/UTs where IWMP is under implementation;
- (b) the details of the targets set and achievements made along with the funds allocated/released and expenditure incurred under IWMP during each of the last three years and the current year, State/UT-wise;
- (c) whether horticulture, development of pastures livelihood activities for persons not owning any property and setting up production system for micro enterprises for small and medium farmers were also included in the said programme and if so, the number of persons benefited by the said programme, State-wise; and
- (d) the area of desert land and barren land which were made cultivable during the said period, State/UT-wise and the extent of wastelands diverted towards generating solar energy in the country State/UT-wise?

MINISTER OF STATE FOR RURAL DEVELOPMENT (SHRI SUDARSHAN BHAGAT)

- (a) With the budget announcement of 2015-16, the Integrated Watershed Management Programme (IWMP) has been converted as the Watershed Component of the 'Pradhan Mantri Krishi Sinchayee Yojana' (PMKSY). The IWMP is under implementation in all States except Goa.
- (b) Details of the target area allocated and area sanctioned, and the funds released and expenditure incurred under IWMP during each of the last three years and the current year, State-wise is at Annexure-I and Annexure-II respectively.
- (c) Horticulture, development of pastures, livelihood activities for persons not owning any property and setting up production systems and micro enterprises for small and medium farmers are also included in the IWMP. As per the information received from the State Governments, the number of persons benefited by the said programme, State-wise is at Annexure-III.
- (d) As per Wastelands Atlas of India-2011, the total area of wasteland that has been reduced and put to productive use from 2005-06 to 2008-09 in the country is 5240.78 square km. The State wise details are given at Annexure-IV. As per information of Ministry of New and Renewable Energy, the data regarding extent of wastelands diverted towards generating solar energy is not maintained. However, the total installed grid connected capacity is 3580.20 MW which has come up on around 17926 acre which is mostly wasteland.

Annexure-I

Annexure referred to in reply to part (b) of Lok Sabha Unstarred Question No. 3895 due for reply on 19.03.2015

State wise area allocated and area sanctioned during each of the last three years and the current year under Integrated Watershed Management Programme

(Area in lakh hectare)

S. No.	Name of State	2011-12		2012-13		2013-14		2014-15	
		Area Allocated	Area Sanctioned	Area Allocated	Area Sanctioned	Area Allocated	Area Sanctioned	Area Allocated	Area Sanctioned
1	Andhra Pradesh	7.13	7.47	4.06	4.25	4.06	4.07	4.06	4.25
2	Arunachal Pradesh	0.93	1.24	0.46	0.73	0.46	0.61	0.46	0.5
3	Assam	3.60	3.7	1.99	2.16	1.99	2.01	1.99	2.09
4	Bihar	2.17	1.92	1.33	1.2	1.33	1.36	1.33	1.64
5	Chhattisgarh	2.42	2.99	1.54	1.24	1.54	1.55	1.54	1.24
6	Goa*	0.05	0	0.03	0	0.03	0	0.03	0
7	Gujarat	5.29	7.12	3.15	3.17	3.15	3.18	3.15	3.34
8	Haryana	1.03	1.79	0.57	0.6	0.57	0.64	0.57	0.59
9	Himachal Pradesh	1.42	1.48	0.70	1.0	0.7	0.71	0.7	0.79
10	Jammu & Kashmir	2.68	1.79	1.63	1.89	1.63	1.67	1.63	1.17
11	Jharkhand	2.43	2.42	1.45	1.63	1.45	1.47	1.45	1.44
12	Karnataka	5.48	5.48	3.21	3.33	3.21	3.23	3.21	3.26
13	Kerala	0.83	0.82	0.51	0.97	0.51	0.51	0.51	0.51
14	Madhya Pradesh	8.64	6.15	4.66	2.11	4.66	4.28	4.66	4.64
15	Maharashtra	9.20	9.31	5.18	5.27	5.18	5.19	5.18	5.41
16	Manipur	1.52	1.7	0.62	0.7	0.62	0.62	0.62	0.61
17	Meghalaya	0.48	0.38	0.34	0.39	0.34	0.36	0.34	0.41
18	Mizoram	0.67	0.72	0.56	0.59	0.56	0.58	0.56	0.56

19	Nagaland	0.86	0.86	0.63	0.69	0.63	0.79	0.63	0.53
20	Orissa	3.55	3.8	2.06	2.12	2.06	2.12	2.06	2.1
21	Punjab	0.73	0.67	0.43	0.46	0.43	0.67	0.43	0.46
22	Rajasthan	12.89	13.01	7.59	7.88	7.59	7.44	7.59	7.48
23	Sikkim	0.14	0.14	0.05	0.07	0.05	0	0.05	0.16
24	Tamil Nadu	2.97	2.71	1.55	1.71	1.55	1.96	1.55	1.59
25	Telangana	0	0	0	0	0	0	0	0
26	Tripura	0.56	0.3	0.35	0.44	0.35	0.35	0.35	0.44
27	Uttar Pradesh	5.63	8.6	3.13	3.18	3.13	3.28	3.13	2.93
28	Uttarakhand	0.80	0.99	0.39	0.4	0.39	0	0.39	0
29	West Bengal	3.29	3.23	1.83	1.83	1.83	1.87	1.83	0
	Total	87.39	90.79	50.00	50.01	50.00	50.52	50.00	48.14

* No proposal received from the State/UTs

Annexure-II

Annexure referred to in reply to part (b) of Lok Sabha Unstarred Question No. 3895 due for reply on 19.03.2015

State-wise details of funds released and utilised during each of the last three years and the current year under Integrated Watershed Management Programme (Rs. in crore)

S. No.	State	Funds released (Central Share) as on 31.12.2014				Funds utilized (Including State Share& interest)			
		2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15 [@]
1	Andhra Pradesh*	160.94	125.137	183.25	163.28	90.71	232.43	340.27	151.86
2	Bihar	3.00	12.18	15.42	0	0	4.41	19.92	9.57
3	Chhattisgarh	62.37	0	26.00	0	20.99	38.04	48.68	33.70
4	Goa#	0	0	0	0	0	0	0	0
5	Gujarat	160.71	329.24	60.00	72.34	63.51	154.24	368.63	233.83
6	Haryana	11.63	5.23	14.20	26.97	0	8.87	14.18	6.68
7	Himachal Pradesh	48.93	8.02	46.07	0	17.27	39.55	63.23	49.616
8	Jammu & Kashmir	0	38.27	0	51.43	0	1.86	26.12	13.29
9	Jharkhand	15.70	48.17	29.40	0	16.00	20.76	40.60	41.10

10	Karnataka	127.41	334.55	586.11	86.71	152.44	450.51	509.28	263.17
11	Kerala	10.81	4.81	0	15.16	1.61	3.61	15.77	22.01
12	Madhya Pradesh	108.60	128.30	135.57	263.98	94.14	160.16	291.36	280.32
13	Maharashtra	378.69	501.60	180.35	167.91	82.62	362.60	627.41	405.0
14	Odisha	77.53	89.70	136.91	248.79	39.33	88.12	164.29	126.27
15	Punjab	8.44	14.89	15.44	0	7.29	4.43	10.29	14.52
16	Rajasthan	318.33	424.53	0	378.08	86.72	217.85	509.57	701.75
17	Tamil Nadu	17.57	227.77	168.56	114.02	38.92	146.14	231.06	158.27
18	Telangana*	0	0	0	124.58	0	0	0	83.21
19	Uttar Pradesh	164.46	128.43	88.09	75.39	55.38	103.56	256.30	72.59
20	Uttarakhand	2.34	4.22	0	49.77	1.14	5.85	9.89	10.43
21	West Bengal	16.06	40.31	0	25.85	0	0.93	23.87	24.81
	North-Eastern States								
22	Arunachal Pradesh	22.09	15.97	110.83	0	8.69	36.91	118.25	49.20
23	Assam	37.53	42.97	116.60	6.99	20.09	37.87	124.48	82.75
24	Manipur	15.33	33.75	30.28	1.10	7.91	17.08	23.61	45.76
25	Meghalaya	12.87	37.43	28.06	37.16	11.97	11.64	60.09	26.73
26	Mizoram	5.84	16.44	69.18	75.81	23.46	18.98	72.35	0.0
27	Nagaland	59.42	76.42	74.67	95.09	63.52	82.10	87.74	94.189
28	Sikkim	1.15	8.17	0	0	2.78	1.75	4.22	4.04
29	Tripura	18.17	24.01	47.81	19.04	3.52	28.26	52.42	19.51
	Grand Total	1865.92	2720.517	2162.80	2099.45	910.01	2278.51	4113.88	3024.175

*Prior to creation of State of Telangana, the Central assistance was released to erstwhile State of Andhra Pradesh. However, as per the information furnished by the Government of Andhra Pradesh and Government of Telangana, state wise release of funds is indicated in respect of these two states for 2014-15

No proposal received from the State/ UTs

@ Figures for 2014-15 is as on 31.12.2014

Annexure-III

Annexure referred to in reply to part (c) of Lok Sabha Unstarred Question No. 3895 due for reply on 19.03.2015

State wise persons benefited under Integrated Watershed Management Programme

Sl. No.	State	Total No of Persons benefited
1	Andhra Pradesh	112279
2	Arunachal Pradesh	2620
3	Assam	97574
4	Bihar	11768
5	Chhattisgarh	13690
6	Goa*	0
7	Gujarat	206885
8	Haryana	18930
9	Himachal Pradesh	74624
10	Jammu & Kashmir	2797
11	Jharkhand	4518
12	Karnataka	588942
13	Kerala	14529
14	Madhya Pradesh	197974
15	Maharashtra	66840
16	Manipur	5205
17	Meghalaya	47523
18	Mizoram	17694

19	Nagaland	3530
20	Odisha	170759
21	Punjab	27192
22	Rajasthan	342212
23	Sikkim	6874
24	Tamil Nadu	260263
25	Telangana	255291
26	Tripura	3480
27	Uttarakhand	17975
28	Uttar Pradesh	24715
29	West Bengal	6709

* No project sanctioned in Goa & Union Territories.

Annexure-IV

Annexure referred to in reply to part (d) of Lok Sabha Unstarred Question No. 3895 due for reply on 19.03.2015

State/UT wise area of wastelands (square km.) that has been reduced and put to productive use from 2005-06 to 2008-09

Sl. No.	State/UT	Total wasteland		Change in Wasteland
		2005-06	2008-09	
1	Andhra Pradesh	38788.22	37296.62	-1491.60
2	Arunachal Pradesh	5743.83	14895.24	9151.41
3	Assam	8778.02	8453.86	-324.15
4	Bihar	6841.09	9601.01	2759.92
5	Chhattisgarh	11817.82	11482.18	-335.64
6	Delhi	83.34	90.21	6.87
7	Goa	496.27	489.08	-7.18
8	Gujarat	21350.38	20108.06	-1242.32
9	Haryana	2347.05	2145.98	-201.07
10	Himachal Pradesh	22470.05	22347.88	-122.17
11	Jammu & Kashmir	73754.38	75435.77	1681.39
12	Jharkhand	11670.14	11017.38	-652.76
13	Karnataka	14438.12	13030.62	-1407.50
14	Kerala	2458.69	2445.62	-13.07
15	Madhya Pradesh	40042.98	40113.27	70.29
16	Maharashtra	38262.81	37830.82	-431.99
17	Manipur	7027.47	5648.53	-1378.94
18	Meghalaya	3865.76	4127.43	261.67
19	Mizoram	6021.14	4958.64	-1062.50

20	Nagaland	4815.18	5266.72	451.55
21	Odisha	16648.27	16425.76	-222.51
22	Punjab	1019.50	936.83	-82.67
23	Rajasthan	93689.47	84929.10	-8760.37
24	Sikkim	3280.88	3273.15	-7.73
25	Tamil Nadu	9125.56	8721.79	-403.77
26	Tripura	1315.17	964.64	-350.53
27	Uttarakhand	12790.06	12859.53	69.47
28	Uttar Pradesh	10988.59	9881.24	-1107.35
29	West Bengal	1994.41	1929.20	-65.21
30	Union Territory	337.30	315.00	-22.30
	Total	472261.94	467021.16	-5240.78

Source: Wastelands Atlas of India, 2011

NATIONAL WATERSHED MANAGEMENT PROGRAMME

12th March 2015

LSQ 2597

SADASHIV KISAN LOKHANDE

Will the Minister of **RURAL DEVELOPMENT** be pleased to state:-

- (a) whether many projects/schemes have been launched under the National Watershed Management Programme in the country including Shirdi Constituency and other backward areas in Maharashtra;
- (b) if so, the State -wise details thereof;
- (c) the names of these projects/schemes and the funds allocated for each of the project/scheme during the last three years and the current year State- wise ; and
- (d) the progress made so far under these projects/schemes, State/UT-wise?

MINISTER OF STATE FOR RURAL DEVELOPMENT (SHRI SUDARSHAN BHAGAT)

(a) to (d) The Department of Land Resources is not implementing any programme in the country under the name of National Watershed Management Programme. However, the Department is implementing Integrated Watershed Management Programme (IWMP) with effect from 26.02.2009 in the country including all 34 districts of Maharashtra. The major activities undertaken under IWMP inter alia include preparation of Detailed Project Reports (DPR), community mobilization, institution and capacity building, entry point activities, ridge area treatment, drainage line treatment, soil and moisture conservation, rain water harvesting, nursery raising, afforestation, horticulture, pasture development, livelihood activities for the asset-less persons and production system & micro enterprises for small and marginal farmers.

The activities taken up under IWMP are distributed over three phases. The Preparatory Phase (1 to 2 years) involves preparation of DPR, entry point activities and institution & capacity building. The Watershed Works Phase (2 to 3 years) involves the watershed development works, livelihood activities for the asset-less persons and production system & micro enterprises. The Consolidation and Withdrawal Phase (1 to 2 years) involves consolidation and completion of various works.

Under IWMP, no year-wise and State-wise allocation of funds is made. However, Central assistance is released in lump-sum to the State Government's on the basis of annual plan of fund requirement furnished by the States and the budget available with the department. From 2009-10 to 28.02.2015, a total of 8214 projects covering 39.07 M. Ha. have been sanctioned to the States and Rs.10868.49 crore have been released. These projects are at different stages of implementation. 3482 projects are in Preparatory Phase, 4613 projects are in Work Phase, 119 projects are in Consolidation and Withdrawal Phase. The status of State-wise projects sanctioned, area sanctioned, funds released and the progress of implementation as on 28.02.2015 is given at Annexure.

Annexure

Annexure referred to in reply to part (a) to (d) of Lok Sabha Unstarred Question No. 2597 due for reply on 12.03.2015

**Status of projects under Integrated Watershed Management Programme (IWMP)
Details of projects, area (m.ha), sanctioned and Central funds released (Rs. in crore) from 2009-10 to 2014-15 (as on 28.02.2015)**

S. No	State	Total no. of Project	Area of the sanctioned projects	Funds released	No. of Projects in Preparatory Phase	No. of Projects which have entered Works Phase	No. of Projects which have entered in Consolidation Phase
1	Andhra Pradesh	432	1.810	517.73	171	261	0
2	Arunachal Pradesh	156	0.467	174.42	42	101	13
3	Assam	372	1.577	277.44	146	226	0
4	Bihar	123	0.612	52.07	83	40	0
5	Chhattisgarh	263	1.195	152.44	151	112	0
6	Goa	0	0	0	0	0	0
7	Gujarat	610	3.103	834.25	180	430	0
8	Haryana	88	0.362	58.03	41	47	0
9	Himachal Pradesh	163	0.840	177.31	53	110	0
10	Jammu & Kashmir	159	0.652	89.70	118	41	0
11	Jharkhand	171	0.911	125.01	84	87	0
12	Karnataka	571	2.569	1286.74	93	430	48
13	Kerala	83	0.423	41.79	42	41	0
14	Madhya Pradesh	517	2.937	793.18	191	326	0

15	Maharashtra	1186	5.128	1504.46	358	828	0
16	Manipur	102	0.491	90.83	42	60	0
17	Meghalaya	96	0.236	127.83	35	61	0
18	Mizoram	89	0.373	189.47	40	33	16
19	Nagaland	111	0.476	340.87	50	39	22
20	Odisha	310	1.700	648.17	115	195	0
21	Punjab	67	0.314	44.51	34	33	0
22	Rajasthan	1025	5.764	1448.33	650	375	0
23	Sikkim	15	0.066	14.38	12	3	0
24	Tamil Nadu	270	1.368	604.24	102	168	0
25	Telangana	330	1.399	389.94	137	193	0
26	Tripura	65	0.213	119.65	34	11	20
27	Uttarakhand	65	0.346	72.30	29	36	0
28	Uttar Pradesh	612	3.045	611.18	363	249	0
29	West Bengal	163	0.693	82.22	86	77	0
	Total	8214	39.07	10868.49	3482	4613	119