GOVERNMENT OF INDIA MINISTRY OF DRINKING WATER & SANITATION

LOK SABHA UNSTARRED QUESTION NO.1527 TO BE ANSWERED ON 09.03.2017

Drinking Water Scarcity in Himalayan Region

†1527. SHRI RAM CHARANBOHRA: DR. RAMESHPOKHRIYAL"NISHANK":

Will the Minister of DRINKING WATER AND SANITATION be pleased to state:

- (a) the steps being taken by the Government to solve the scarcity of drinking water arising due to drying up of natural water sources in Himalayan region;
- (b) the steps taken for proper conservation and recharging of natural sources of water in the region;
- (c) whether an efficient monitoring mechanism has been established by his Ministry in coordination with other Ministries through which proper monitoring of sources can be done and if so, the details thereof; and
- (d) whether any action is being taken for developing new technology so that traditional sources could be conserved and preserved and if so, the details thereof?

ANSWER

MINISTER OF STATE FOR DRINKING WATER AND SANITATION (SHRI RAMESH CHANDAPPA JIGAJINAGI)

(a)to (c) The water sources dry up because of a number of reasons including excessive extraction of ground and surface water mainly for irrigation and industrial purposes, inadequate recharge of water in the sources, (both surface water and ground water) due to insufficient rains, depletion of tree cover and undergrowth in forests and catchment areas etc.

Rural drinking water is a state subject. For this, the Ministry of Drinking Water and Sanitation assists the State Governments technically and financially through centrally sponsored scheme namely National Rural Drinking Water Programme (NRDWP). A budgetary allocation of Rs. 6000 crore has been provided to States/UT for NRDWP in 2016-17. 10% of the allocation under NRDWP is for Sustainability of schemes to be used exclusively to achieve drinking water security by adopting conjunctive use of surface water and ground water and construction of water recharging structures with major focus on water quality affected areas, overexploited, critical and semi-critical areas as specified by Central Ground Water Board (CGWB). For doing this, the State Governments are vested with powers to select, plan and implement related schemes under the NRDWP. Further, the Ministry has coordinated with other ministries to create water conservation measures through various centrally sponsored programmes such as Pradhan Mantri Krishi Sinchai Yojana, Mahatma Gandhi National Rural Employment Guarantee Scheme, Repair Renovation & Rehabilitation Scheme etc.

The physical and financial progress of water supply and sustainability schemes under NRDWP is also monitored in National/ Regional/ State level review meetings, conferences and video-conferences. The total number of recharge structures created for source sustainability as per IMIS of the Ministry is placed at Annexure-I. Under NRDWP, the Government of India has given priority to cover partially covered habitations and quality affected habitations with safe drinking water schemes.

(d) Proposal received from Shri Vijay Kedia on Drinking Water Security (Kedia Farm Pattern Patented Underground Rainwater Harvesting) was scrutinised by the Standing Committee on Water and Sanitation technologies constituted by the Ministry headed by Prof. Mashelkar and recommended the same as innovative technology. Further, the Ministry, through National Remote Sensing Centre, Hyderabad, had completed 4,898 Hydro-Geo-Morphological Maps (ground water prospect maps) which can be very useful in siting artificial recharge structures so that ground water can be recharged. The Ministry has advised the State Governments to utilise the technical knowhow of the above models and maps for proper water conservation including traditional water sources.

Annexure – I

Annexure to be referred in reply to part (c) and (d) of Lok Sabha Unstarred Q. No. 1527 to be answered on 09.03.2017

S.No	. State	Pits And Trenches	Check Dams	Perco Lation Tanks	Point Source Recharging (Conversion Of Defunct Borewells)	Dug- Wells/ Injection/ Skimming Wells	Ooranies/ Village Ponds/ Traditional Water Bodies	Roof Top	Recharge Shaft	Others*	Total	Estimated Cost	Expenditure
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	ANDAMAN and NICOBAR	0	0	0	0	3	0	C	0 0	7	10	472.60	32.39
2	ANDHRA PRADESH	56	0	1133	0	0	0	552	2 0	2985	4726	6798.00	2136.70
3	ARUNACHAL PRADESH	40	454	1	0	0	0	76	6 0	31	602	5007.08	3257.70
4	ASSAM	76	21	0	1	3	93	6175	i 0	199	6568	136274.99	10566.97
5	BIHAR	1039	0	0	399	4	0	698	45	780	2920	240431.44	118092.95
6	CHATTISGARH	1525	1494	400	387	47	25	3816	27	19296	26990	33340.15	8061.84
7	GUJARAT	405	1266	1	0	145	161	3657	8	2147	7782	61533.89	32540.15
8	HARYANA	12	13	127	0	41	1	605	0	90	889	707281.98	405215.75
9	HIMACHAL PRADESH	31	410	63	6	22	51	184	0	420	1187	13835.25	4275.13
10	JAMMU AND KASHMIR	75	459	13	0	55	284	37	0	414	1337	134296.94	49323.22
11	JHARKHAND	7040	121	72	5056	231	315	6840) 4	1894	21569	35581.10	9164.39
12	KARNATAKA	2713	9729	1531	14	1701	721	456	i 19	3441	20306	155425.34	51312.11
13	KERALA	0	234	0	0	0	3	217	0	34	488	238798.88	68609.85
14	MADHYA PRADESH	3477	3809	140	79	693	57	872	3976	15005	24132	30814.32	18599.93
15	MAHARASHTRA	16741	2588	32	107	2208	766	1049	16357	27791	51282	70419.51	38788.94
16	MANIPUR	3	85	0	2	2	81	272	. 1	57	502	9263.52	3950.90
17	MEGHALAYA	27	274	0	0	0	8	5	0	33	347	51145.74	7079.34
18	MIZORAM	0	13	0	0	0	0	67	· 0	2	82	4929.07	3672.61
19	NAGALAND	0	0	0	1	0	1	84	0	359	445	5909.82	4322.35
20	ODISHA	2997	32	72	32	47	18	18	3 3	13874	17090	23849.93	9989.99
21	PUDUCHERRY	0	0	0	0	0	0	C) 0	0	0	0.00	0.00
22	PUNJAB	25	0	0	1	53	210	403	0	373	1065	10692.39	5262.66
23	RAJASTHAN	2120	162	13	24	177	2140	10276	6 O	588	15500	1939940.72	320826.12
24	SIKKIM	0	0	0	0	0	0	914	0	12	926	1577.35	1178.17
25	TAMIL NADU	779	3395	146	43	1	93	637	' 179	763	5857	32408.19	23849.53
26	TELANGANA	0	0	938	54	0	0	613	0	7417	9022	4811.43	2426.00
27	TRIPURA	5	10	9	0	5	30	351	1	120	530	4638.02	385.78
28	UTTAR PRADESH	3292	922	0	0	1	87	C	20	75	4377	69538.67	37714.16
29	UTTARAKHAND	60	163	45	0	7	48	413	0	53	789	6533.53	3690.39
30	WEST BENGAL	22	0	90	0	148	3	C	0	10	273	4064.72	2021.89
Total		42560	25654	4826	6206	5594	5196	39287	20640	98270	227593	227593 <mark>4039614.57</mark>	

* Others May include Infiltration Rings, Sub-Surface Dykes, Others, Revival of traditional water harvesting structures, Flushing / Hydrofracturing, Bore blasting and Others, Spring Source Development, Solar Pump/ Dual Pump (Solar)