

Problem of Saline Water

- 21. Shri Kuldeep Vats, M.L.A.:** Will the Chief Minister be pleased to state: -
- (a) Whether it is a fact that there is a problem of saline water in many villages of Badli Assembly Constituency; and
 - (b) if so, whether there is any proposal under consideration of the Government to construct new canals/diggies to solve the abovesaid problem?

Sh. Manohar Lal, Hon'ble Chief Minister, Haryana

- (a) Yes, Sir.
- (b) No, Sir. However, some other solutions are under consideration.

Statement
Unstarred Assembly Question No. 21

- a. There is problem of saline water in some villages of Badli Assembly Constituency. The list of villages having problem of saline water during October, 2019 is as under:-

Fatehpuri	Machhrauli	Silani Pana Keso
Goela Kalan	Patasni	Silani Pana Zalim
Khakhana	Sabili	Chandol
Ladpur	Silana	Chandpur

- b. At present, there is no proposal under consideration for reclamation of saline waterlogged soils of these villages. Moreover, construction of new canal is not a solution to remove the salinity problem.

Additional Information

Haryana is in the forefront of implementation of Sub Surface Drainage (SSD) system for reclamation of water-logged & saline lands. According to June, 2019, an estimated area of 4,37,940 hectare in the State is affected with the problem of water-logging and salinity, out of which about 35,809 hectare area is under critical condition (water table 0-1.5 m). Most affected areas fall in the districts of Rohtak, Sonapat, Jhajjar and Bhiwani followed by Jind, Palwal, Mewat Fatehabad etc., which goes on fluctuating depending upon the rainfall. The district-wise details of depth to water table in Haryana is given in the table. A project namely **Haryana Operational Pilot Project (HOPP)** was started in the year 1994 with technical support of Netherland Government. Department of Agriculture, Haryana has implemented SSD projects in 11,240 hectares of water-logged and saline soils in the State with Technical support of Central Soil Salinity Research Institute (CSSRI), Karnal. The problem of water-logging can be tackled through surface drainage, vertical drainage, bio-drainage and sub-surface drainage depending upon the nature and extent of the problem. However, where salinity and water-logging exists together, laying of sub-surface drainage system is the most effective technology. The affected area got reclaimed within 2-3 years through this technology. The average cost of system under this technology is about Rs. 80,000/- per hectare.

SUB SURFACE DRAINAGE PROGRESS REPORT AT A GLANCE IN HARYANA

Indo Dutch Project and Macro Management Mode of Agriculture Scheme					
Sr. No.	Name of Project	Total village Covered	Reclaimed Area (ha)	No. of Beneficiaries	Remarks (work completed)
1	Gohana	Moi, Bali, Katwal & Rewara	1253	872	June 1999
2	Kalayat-I	Kherilamba, Kalayat & Kurar	746	425	June 2001
3	Kalayat-II	Kalayat, Kherilamba & Kolekhan	407	300	July 2002
Total (A)			2406	1597	
Ministry of Rural Development (M.O.R.D) Scheme					
4	Jhajjar	Beri Dopana, Beri-khas, Dhandlan,	805	873	May, 2007

		Gochhi & Bakra			
5	Ch.Dadri (Bhiwani)	Rawalddhi,Khatiwass, Loharawara, Jhinjar & Achina	904	963	July, 2008
6	Sirsa (Rori)	Surtia, Darba-kalan, Manak-Diwan & Nathusri Chaupta	479	180	June, 2010
7	Sonepat	Rindhana, Dhanana, Dhanana-II & Jagsi	1137	836	July, 2011
Total (B)			3325	2852	
Rashtriya Krishi Vikas Yojana (RKVY)					
8	Fatehabad	Banmandori	277	152	June, 2011
9	Jhajjar-II	Wazirpur, Baghpur & Beri	1034	798	June, 2012
10	Palwal	Kherli Jeeta Kanoil & Madkola	351	253	July, 2012
11	Rohtak-I	Mokhara-Kheri & Madina	980	546	July, 2013
12	Jind	Siwana-Mal, Gangana, Bambewa & Ludana	355	281	July, 2013 & Work Under Progress
13	Rohtak-II	Kharakara, Basana & Madina	526	364	July, 2014 & Work Under Progress
14	Sonipat-II	Gharwal, Kohla and Banwasa	703	445	July, 2014 & Work Under Progress
15	Sonepat-III	Kathura, Katwara and Ahulana	882	496	July, 2015 & work under Progress
16	Rohtak-III	Kahni, Rothal and Sanghi	160	166	June, 2019
17	Hissar	HAU, Hisar	40	0	July, 2018
18	Faridabad	Sikrona (vertical drainage)	200	100	July 2019
19	Gharaunda	Horticulture Farm-I	1	1	July, 2019
Total (C)			5509	3602	
Grand Total (A+B+C)			11240	8051	

As per present status a total 437940 hectare area is affected from salinity and water logging problem. Out of which, an area of 35809 hectare is affected critically. The District-wise detail is as under:-

Sr.No.	District	Geographical Area(ha)	Water logging June, 2019 (m)	
			0-1.5	1.5-3.0
1.	Rohtak	166777	1419	76355
2.	Jhajjar	186770	5350	56907
3.	Bhiwani	487072	582	23453
4.	Sonepat	226053	1342	24643
5.	Hisar	386052	1513	29640
6.	Ambala	159585	570	4257
7.	Fatehabad	249110	0	1976
8.	Jind	273600	0	10278
9.	Palwal	136455	1137	8264
10.	Sirsa	427600	14330	109995
11.	Mewat	150027	0	12315
12.	Rewari	155900	0	0