

**GOVERNMENT OF INDIA  
WATER RESOURCES  
LOK SABHA**

UNSTARRED QUESTION NO:179  
ANSWERED ON:21.07.2003  
QUALITY OF SUB-SURFACE WATER  
ADHIR RANJAN CHOWDHURY;BHASKAR RAO PATIL;SHYAMA SINGH

**Will the Minister of WATER RESOURCES be pleased to state:**

- (a) whether the Central Ground Water Board has recently revealed that sub-surface water in various parts of the country is highly unsafe;
- (b) if so, the facts and the details thereof;
- (c) whether the level of ground water has also fallen and the schemes formulated to maintain its level has proved ineffective;
- (d) if so, the details and the reasons therefor;
- (e) whether in view of sufficient rainfalls during the current monsoon the Government propose to ensure increase in ground water level; and
- (f) if so, the details thereof?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRIMATI BHOYA CHAKRAVARTY)

(a)&(b) The Central Ground Water Board (CGWB), under the Ministry of Water Resources monitors ground water quality throughout the country on regular basis. The studies carried out by the CGWB indicate that the ground water in major parts of the country is by and large potable. There are, however, areas which have poor quality of ground water mainly due to the contamination from industrial and domestic effluents, excessive use of fertilizers, mining wastes, saline water ingress and due to the nature of the ground water bearing rock formations. The names of States and locations where ground water has been found contaminated and reasons thereof are given in enclosed Statement.

(c)&(d) As per observations made by the CGWB, significant decline in the levels of ground water have been observed in certain pockets in the States of Andhra Pradesh, Assam, Bihar, Chhattisgarh, NCT of Delhi, Jharkhand, Gujarat, Haryana, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Tripura, Uttar Pradesh and West Bengal.

Studies undertaken to monitor effects of the artificial recharge schemes have shown positive impact in terms of rise in ground water level and sustainability of ground water structures in the areas where such schemes have been implemented.

(e)&(f) The Government is encouraging rain water harvesting activities through mass awareness and training programmes by involving various Government and Non- Government organisations. During 2003-04, the CGWB has a programme to organise 51 training programmes and 51 mass awareness programmes on rain water harvesting in the country.

STATEMENT REFERRED TO IN REPLY OF PARTS (a)&(b) OF LOK SABHA UNSTARRED QUESTION NO. 179 D/ 21.07.2003 REGARDING QUALITY OF SUB-SURFACE WATER

STATE-WISE DETAILS OF CONTAMINATION OF GROUND WATER IN SOME AREAS OF THE DISTRICTS DUE TO VA CONTAMINANTS

SL. STATE SALINITY IRON FLUORIDE NITRATE ARSENIC HEAVY NO. METALS 1 2 3 4 5 6 7 8 1. Andhra East -- Prakasam, Vishakhapatnam, -- Anantapur, Pradesh Godavari, Nellore, East Godavari, Mehboobnagar West Anantapur, Krishna, Prakasam, , Prakasam, Godavari, Nalgonda, Nellore, Chittoor, Visakhapatna Krishna, Rangareddy, Anantapur, m, Cuddapah, Guntur, Adilabad Cuddapah, Kurnool, Nalgonda. Prakasam Mehboobnagar, Rangareddy, Medak, Adilabad, Nalgonda, Khammam. 2. Assam -- Northern Nagaon, --- Digboi Bank of Karbi Brahmapu Anglong tra 3. Bihar Begusarai Champara Giridih, Palamau, Gaya, -- Dhanbad, n, Jamui, Patna, Nalanda, Muzaffarpur, Muzaffar- Dhanbad Nawada, Bhagalpur, Begusarai. pur, Sahebgunj, Banka Gaya, Munger, Deoghar, Madhubani, Patna, Palamau, Nalanda, Nawada, Banka 4. Gujarat Banaskantha -- Kachch, -----, Junagarh, Surendra- Bharau, nagar, Surat, Rajkot, Mehsana, Ahmedabad, Ahmedabad, Mehsana, Surendranag Banaskantha, ar, Kheda, Sabarkantha. Jamnagar 5. Haryana Sonapat, -- Rohtak, Ambala, Sonapat, -- Faridabad Rohtak, Jind, Jind, Gurgaon, Hissar, Hissar, Faridabad, Hissar, Sirsa, Bhiwani, Sirsa, Kamal, Faridabad, Mahendra- Kurukshetra, Jind, garh, Rohtak, Bhiwani, Gurgaon, Faridabad Mahendragarh Bhiwani, Mahendragar h 6. Himacha ---- Kulu, Solan, Una -- Purwanoo, I Kalaamb Pradesh 7. Karnata Bijapur, -- Tumkur, ---- Bhadravati ka Belgaum, Kolar, Raichur, Bangalore, Bellary, Gulbarga, Dharwar Bellary, Raichur 8. Kerala Ernakulam, -- Palghat ----- Trichur, Alleppey 9. Madhya Gwalior, -- Bhind, Sehore -- Bastar, Pradesh Bhind, Moerana, Korba,

Morena, Guna, Ratlam, Jhabua, Jhabua, Nagda Khargaon, Chhindwara, Dhar, Seoni, Shivpuri, Mandla, Shajapur, Raipur, Guna, Vidisha Mandisor, Ujjain 10. Maharashtra Amaravati, -- Bhandara, Thane, Jalna, --- htra Akola. Chandrapur, Beed, Nanded, Nanded, Latur, Osmanabad, Aurangabad Solapur, Satara, Sangli, Kolhapur, Dhule, Jalgaon, Aurangabad, Ahmednagar, Pune, Buldana, Amravati, Akola, Nagpur, Wardha, Bhandara, Chandrapur, Gadchiroli 11. Orissa Cuttack, Parts of Bolangir --- Angul, Baleswar, Coastal Talcher Puri Orissa 12. Punjab Bhatinda, -- Ludhiana, Patiala, Faridkot, -- Ludhiana, Sangrur, Faridkot, Firozpur, Sangrur, Mandi, Faridkot, Bhatinda, Bhatinda. Gobindgarh. Firozpur. Sangrur, Jalandhar, Amritsar. 13. Rajasthan Bharatpur, Bikaner, Barmer, Jaipur, Churu, -- Pali, a n Jaipur, Alwar, Bikaner, Ganganagar, Udaipur, Nagaur, Dungarpu Ganganagar, Bikaner, Jalore, Khetri. Jalore, r Jalore, Barmer, Bundi, Sirohi, Nagaur, Swai Madhopur. Jodhpur Pali, Sirohi. 14. Tamil Karaikal, -- Dharampuri, Coimbatore, -- Manali, Nadu Pondicherry Salem, North Periyar, Salem. North Arcot. , Arcot- Nagapattana Ambedkar, m, Quide- Villipuram- Millet, Padayatchi, Pudukottai, Muthuramalin Ramananthap gam, uram, North Tiruchirapal Arcot- li, Ambedkar, Pudukottai. Dharampuri, Salem, Trichy, Coimbatore. 15. Tripura -- Dharamna - - - - - garKaule shaher, Khowai, Ambasa, Amapur and Parts of Agartala Valley 16. Uttar Agra, -- Bulandshahar Orai, Jhansi, -- Singrauli, Pradesh Mathura, , Aligarh, Lalitpur, Basti, . Mainpuri, Agra, Unnao, Faizabad, Kanpur, Banmda. Rae-Bareli Sultanpur, Jaunpur, Maharajganj, Allahabad, Gorakhpur, Deoria Saharanpur, Aligarh. 17. West -- Midnapor Birbhum Uttar Dinajpur, Malda, Durgapur, Bengal e, Malada, Birbhum, South-24 Howrah, Howrah, Nadia, Midnapur, Paraganas Murshidabad, Hooghli, Howrah, , Nadia, Nadia. Bankura Murshidabad, Hoogly, Purulia Murshidab ad, Bardhaman, Howrah 18. NCT of Najafgarh, - - - - City Shahdara and -- Alipur, Delhi Kanjhawala, Mehrauli Blocks. Kanjhawala, and Najafgarh, Mehrauli Mehrauli Blocks. City and Shahdara Blocks.