

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. †1165**  
ANSWERED ON 09.02.2017

**PRESENCE OF CHEMICALS IN GROUND WATER**

†1165.      SHRIMATI RANJANBEN BHATT

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

- (a) whether the quantity of various chemicals especially Boron is increasing in ground water in certain parts of the country including Delhi and if so, the details thereof;
- (b) whether the Government is considering to take any steps to check it; and
- (c) if so, the details thereof and the time by which these are likely to be implemented?

**ANSWER**

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION  
(DR. SANJEEV KUMAR BALYAN)

- (a) Ground water quality data generated during various scientific studies and ground water quality monitoring indicates that the ground water in some parts of various States is contaminated by Arsenic, Nitrate, Fluoride, Heavy Metals, etc. State-wise details of contamination of ground water is given at **Annexure**.

The presence of higher concentration of Boron in groundwater has been reported in some special studies taken up by Central Ground Water Board (CGWB) in some parts of the country especially Punjab, Haryana and Chikaballapur district of Karnataka.

- (b) & (c) Contamination like Arsenic, Fluoride, Iron, Boron etc. are geogenic in nature and are caused due to their presence in water bearing formation from where they gets mobilized into ground water. CGWB carries out exploratory drilling to delineate contaminant free aquifer zones.

Further, Ministry of Drinking Water and Sanitation has informed that the States are assisted technically and financially in providing safe drinking water through the centrally sponsored National Rural Drinking Water Programme. Upto 67% of funds provided to the States under NRDWP can be utilized for coverage and tackling water quality problems with priority to Arsenic and Fluoride affected habitations. In addition, the States also received certain funds under the 5% Water Quality earmarked funds.

The State Governments have been directed to ensure availability of safe drinking water through Piped Water Supply as a long term measures. Since tackling this problem is a long term measure, Niti Aayog, as a stop gap arrangement, is supporting the State Governments for installation of Community Water Purification Plants for providing safe drinking water in the rural habitations of the Country, where, water is contaminated with Arsenic and Fluoride. To this end, over and above the regular allocation of funds under NRDWP, on the recommendations of Niti Aayog, Ministry of Finance has released Rs. 800.00 Crore during the financial year 2015-16 as a onetime 100% Central assistance to the States affected with water quality from Arsenic and Fluoride in the Country.

Since the problem of contamination of water by Arsenic and Fluoride has been serious in the rural habitations, Central Government has taken cognizance of this serious problem and decided to take short-term and long term measures with a ring fenced funding to tackle this problem in the remaining habitations of the Country. Over and above the normal release of funds to the States, during 2016-17, under NRDWP, the centre share amounting to Rs. 746.23 crore has also been released to the States affected with Arsenic and Fluoride under Water Quality Sub-Mission in the ratio of 90:10 (Centre: State) for Northern –Eastern States and 50:50 (Centre: State) other States focusing on mitigation of contamination of Fluoride and Arsenic in drinking water

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Annexure referred in reply to Lok Sabha Unstarred Question No. 1165 dated 09.02.2017 regarding “Presence of Chemicals in Ground Water”

**States-wise Details of Affected Districts with Ground Water Contamination by different Chemical Constituents**

S. No.	State/ UT	Salinity (EC above 3000 micro mhos/ cm) (EC : Electrical Conductivity)	Fluoride ( above 1.5 mg/l)	Nitrate (above 45 mg/l)	Arsenic (above 0.01 mg/l)	Iron (above 1mg/l )	Heavy metals: Lead (above 0.01 mg/l) Cadmium (above 0.003 mg/l) Chromium (above 0.05 mg/l)
1	<b>Andhra Pradesh</b>	Srikakulam, Visakhapatnam, East-Godavari, West-Godavari, Krishna, Guntur, Prakasam, Nellore, Kadapa, Kurnool, Ananthapur,	Visa khapatnam, West-Godavari, Krishna, Guntur, Prakasam, Nellore, Chittoor, Kadapa, Kurnool, Ananthapur, Sirkakulam	Srikakulam, Vizianagaram, Visa khapatnam, East-Godavari, West-Godavari, Krishna, Guntur, Prakasam, Nellore, Chittoor, Kadapa, Kurnool, Ananthapur,	Guntur, Kurnool, Nellore	Vishakhapatnam, Krishna, Guntur, Nellore, Kurnool, Chittoor, Cuddapah,	
2	<b>Telangana</b>	Adilabad, Nizamabad, Karimnagar, Warangal, Khammam, Medak, Mehboob Nagar, Nalgonda,	Adilabad, Karimnagar, Khammam, Warangal, Mahabubnagar, Medak, Nalgonda, Rangareddy, Nizamabad	<i>Adilabad, Nizamabad, Karimnagar, Warangal, Khammam, Hyderabad, Medak, Nalgonda, Rangareddy,</i>	Nalgonda,	Adilabad, Hyderabad, Karimnagar, Mahabubnagar, Medak, Nalgonda, Nizamabad, Ranga Reddy	<b>Lead :</b> Rangareddy, Nalgonda <b>Cadmium:</b> Rangareddy <b>Chromium:</b> Rangareddy
3	<b>Assam</b>		Goalpara, Kamrup, KarbiAnglong, Naugaon, Golaghat, Karimganj		Sivsagar, Jorhat, Golaghat, Sonitpur, Lakhimpur, Dhemaji, Hailakandi, Karimganj, Cachar, Barpeta, Bongaigaon, Goalpara, Dhubri, Nalbari, Nagaon, Morigaon, Kamrup, Darrang & Baksha	Cachar, Darrang, Dhemaji, Dhubri, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup, KarbiAnglong, Karimganj, Kokrajhar, Lakhimpur, Morigaon, Nagaon, Nalbari, Sibsagar, Sonitpur	
4	<b>Arunachal Pradesh</b>					Changlang , East Siang, Lohit, Papumpare	
5	<b>Bihar</b>		Aurangabad, Banka, Bhagalpur, Gaya, Jamui, Kaimur(	<i>Aurangabad, Banka, Bhagalpur,</i>	<i>Begusarai, Bhagalpur, Bhojpur, Buxar,</i>	Aurangabad, Begusarai, Bhojpur, Buxar,	

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			Bhabua), Munger, Nawada, Rohtas, Jahanabd, Lakhisarai, Sheikhpura, Nalanda	<b>Bhojpur, Darbhanga, Kaimur(Bhabua ), Patna, Rohtas, Saran, Siwan</b>	<i>Darbhanga, Katihar, Khagaria, Kishanganj, Lakhisarai, Munger, Patna, Purnea, Samastipur, Saran, Vaishali E.Champaran, Gopalganj, Lohardaga, Madhepura, Muzaffarpur Saharsa, Siwan, W Champaran</i>	East Champaran, Gopalganj, Katihar, Khagaria, Kishanganj, Lakhisarai, Madhepura, Muzaffarpur, Nawada, Rohtas, Saharsa, Samastipur, Siwan, Supaul, West Champaran	
6	<b>Chhattisgarh</b>		Bastar, Balod , Balrampur, Bemetra, Bijapur , Durg, Kanker, Kondagaon, Korba, Koriya, Raigarh, Surajpur, Surguja	<b>Bastar, Bilaspur, Dantewada, Dhamtari, Jashpur, Kanker, Kawardha, Korba, Mahasamund, Raigarh, Raipur, Rajnandgaon</b>	<i>Rajnandgaon</i>	Bastar, Dantewada, Kanker, Koriya,	<b>Lead:</b> Korba <b>Cadmium:</b> Korba <b>Chromium:</b> Korba
7	<b>Delhi</b>	New Delhi, North , South, East, West, North West, South West	East Delhi, New Delhi, North West Delhi, South Delhi, South West Delhi, North Delhi, West Delhi	<b>East Delhi, Central Delhi, New Delhi, North Delhi, North West Delhi, South Delhi, West Delhi, West Delhi</b>	East, North east		<b>Lead :</b> Along Najafgarh drain in North, West and South-west districts <b>Cadmium :</b> Southwest <b>Chromium :</b> Northwest, South, New Delhi, East
8	<b>Goa</b>					North Goa , South Goa	
9	<b>Gujarat</b>	Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mahesana, Navsari, Patan, Porbandar, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara, Narmada	Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Gandhinagar, Jamnagar, Junagadh, Kachchh, Mehesana, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha, Surendranagar, Vadodara	<b>Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mehesana, Narmada, Navsari, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha,</b>	Amreli, Anand, Bharuch, Bhavnagar, Dahod, Gandhinagar, Kachchh, Mehesana, Patan, Rajkot, Surendranagar, Vadodara	Ahmedabad, Banaskantha, Bhavnagar, Kachchh, Mehesana, Narmada,	

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				<i>Surat, Surendranagar, Vadodara</i>			
10	Haryana	Ambala, Bhiwani, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Mohendragarh, Panipat, Rewari, Rohtak, Sirsa, Sonapat	Ambali, Bhiwani, Fatehabad, Faridabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendergarh, Panchkula, Palwal, Panipat, Rewari, Rohtak, Sirsa, Sonapat, Yamuna Nagar	<i>Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonipat, Yamuna Nagar</i>	Ambala, Bhiwani, Faridabad, Fatehabad, Hissar, Jhajjar, Jind, Karnal, Panipat, Rohtak, Sirsa, Sonapat, Yamunanagar, Mahendergarh, Palwal	Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panipat, Rohtak, Sirsa, Sonipat, Yamuna Nagar	<b>Lead:</b> Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Mahendragarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonapat. <b>Cadmium:</b> Bhiwani, Gurgaon, Jhajjar, Jind, Kaithal, Rewari, Rohtak. <b>Chromium:</b> Fatehabad
11	Himachal Pradesh			<i>Una, Solan, Hamirpur, Kangra, Mandi, Kullu</i>	Kangra		
12	Jammu & Kashmir		<i>Jammu, Kathua</i>	<i>Jammu, Kathua, Anantnag, Kupwara</i>	Jammu, Kathua, Rajouri	Baramulla, Budgam, Kathua, Kupwara, Pulwama, Srinagar	<b>Lead:</b> Jammu (Gangyal), Bari Brahma, Kathua <b>Cadmium:</b> Kathua
13	Jharkhand		Bokaro, Dhanbad, Garhwa, Giridih, Godda, Gumla, Koderma, Pakur, Palamu, Ranchi, Sahebganj, Khunti	<i>Chatra, Garhwa, Godda, Gumla, Lohardaga, Pakur, Palamu, Paschimi Singhbhum, Purbi Singhbhum, Ranchi, Sahibganj</i>	Sahebganj	Chatra, Deoghar, East Singhbhum, Giridih, Ranchi, West Singhbhum	<b>Lead:</b> Jamshedpur
14	Karnataka	Bagalkote, Bangalore-Rural, Bangalore-Urban, Belgaum, Bellary, Bijapur, Chamaraj nagara, Chikballapur, Chikmagalur, Chitradurga, Dakshina	Bagalkot, Bangalore(Rural), Bangalore(Urban), Belgaum, Bellary, Bidar, Bijapur, Chikaballapur, Chamarajanagar, Chikmagalur, Chitradurga, Davanagere,	<i>Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Davanagere, Dharwad, Gadag,</i>	Raichur and Yadgir district	Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Dakshina, Kannada, Davanagere,	

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		Kannada, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu/ Coorg, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara Kannada, Yadgir	Dharwad, Dakshina Kannada, Gadag, Gulburga, Hassan, Haveri, Kolar, Koppal, Mandya, Mysore, Raichur, Ramnagara , Shimoga, Tumkur, Yadgir, Uttara Kannada, Udupi	<i>Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mandya, Raichur. Shimoga, Udupi, Uttara Kannada</i>		Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mysore, Raichur, Shimoga, Tumkur, Udupi, Uttara Kannada	
15	<b>Kerala</b>	Trivandrum, Kollam, Kottayam, Ernakulam	Palakkad, Alappuzha, Idukki, Ernakulam, Thiruvananthapuram	<i>Alappuzha, Idukki, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Thrissur, Wayanad</i>		Alappuzha, Ernakulam, Idukki, Kannur, Kasaragod, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Quilon, Thiruvananthapuram, Thrissur, Wayanad	<b>Lead:</b> Ernakulam , Kollam <b>Chromium:</b> Kollam
16	<b>Madhya Pradesh</b>	Balaghat, Bhind, Chhatarpur, Gwalior, Indore, Jhabua, Khargone, Morena, Neemuch, Ratlam, Rewa, Satna, Sehore, Sheopur, Shivpuri, Ujjain	Alirajpur, Balaghat, Barwani, Betul, Bhind, Bhopal, Chhatarpur, Chhindwara, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Harda, Jabalpur, Jhabua, Khargon, Mandla, Mandsaur, Morena, Narsinhpur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Sidhi, Shivpuri, Singrauli, Ujjain, Vidisha	<i>Alirajpur, Anuppur, Ashok Nagar, Balaghat, Barwani, Betul, Bhind, Bhopal, Burhanpur, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, , Dindori, Guna, Gwalior, Harda, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Khargon, Katni, Mandla, Mandsaur, Morena, Narsinhapur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur,</i>	Betual, Burhanpur, Chhindwara, Dhar, Khandwa, Mandsaur, Neemuch, Umariya	Balaghat, Barwani, Betul, Bhind, Bhopal, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Katni, Mandla, Mandsaur, Narsinghpur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umariya, Vidisha, East Nimar	<b>Lead:</b> Balaghat, Barwani, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Raisen, Rajgarh, Satna, Sehore, Shajapur, Shivpuri, Vidisha

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				<i>Shivpuri, Sidhi, Singrauli, Tikamgarh, Ujjain, Umaria, Vidisha</i>			
17	<b>Maharashtra</b>	Ahmednagar, Akola, Amravati, Aurangabad, Beed, Bhandara, Buldhana, Chandrapur, Dhule, Jalgaon, Jalna, Nagpur, Nasik, Pune, Raigard, Sangli, Satara, Solapur, Thane, Yavatmal	Ahmednagar, Beed, Chandrapur, Bhandara, Dhule, Gadchiroli, Gondia, Jalna, Nagpur, Nanded, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Wardha, Yavatmal	<i>Ahmednagar, Akola, Amravati, Aurangabad, Beed, Bhandara, Buldana, Chandrapur, Dhule, Gadchiroli, Gondia, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Mumbai, Nagpur, Nanded, Nandurbar, Nasik, Osmanabad, Parbhani, Pune, Sangli, Satara, Solapur, Wardha, Washim, Yavatmal</i>		Ahmednagar, Amravati, Beed, Buldana, Chandrapur, Dhule, Gadchiroli, Jalna, Kolhapur, Latur, Nandurbar, Nashik, Osmanabad, Parbhani, Ratnagiri, Satara, Thane, Wardha, Washim, Yavatmal	<b>Lead:</b> Ahmednagar, Akola, Aurangabad, Beed, Buldana, Dhule, Gadchiroli, Jalna, Kolhapur, Latur, Nagpur, Nanded, Osmanabad, Parbhani, Pune, Sangli, Wardha, Washim, Yavatmal
18	<b>Manipur</b>				Bishnupur, Thoubal	Bishnupur, Thoubal	
19	<b>Meghalaya</b>					East Garo Hills, East Khasi Hills, Jaintia Hills	
20	<b>Nagaland</b>					Dimapur	
21	<b>Odisha</b>	Balasore, Bhadrak, Ganjam, Jagatsingpur, Jajpur, Kendrapara, Puri	Angul, Balasore, Bhadrak, Bargarh, Bolangir, Boudh, Cuttack, Deogarh, Dhenkanal, Jajpur, Kandhamal, Keonjhar, Khurda, Mayurbhanj, Nayagarh, Nawapara, Ganjam, Jagatsinghpur, Kalahandi, Koraput, Puri, Rayagada, Sambalpur, Sonapur, Sundargarh	<i>Angul, Balasore, Bargarh, Bhadrak, Bolangir, Boudh, Cuttack, Deogarh, Dhenkanal, Gajapati, Ganjam, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kendrapara, Keonjhar, Khurda, Koraput, Malkangiri, Mayurbhanj, Nawapada, Nayagarh, Phulbani, Puri, Sambalpur,</i>	Gajapati	Balasore, Bargarh, Bhadrak, Cuttack, Deogarh, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kandmahal, Keonjhar, Kendrapara, Khurda, Koraput, Mayurbhanj, Nayagarh, Puri, Rayagada, Sambalpur, Sundergarh, Sonpur	<b>Chromium (Hexavalent)</b> - Sukinda valley in Sukinda block of Jajpur District

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				<i>Sundergarh, Sonpur</i>			
22	<b>Punjab</b>	Bhatinda, Faridkot, Ferozpur, Gurudaspur, Mansa, Moga, Muktsar Patiala, Sangrur	Amritsar, Barnala, Bhatinda, Fazilka, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Jalandhar, Ludhiana, Mansa, Moga, Muktsar, Pathankot, Patiala, Ropar, Sangrur, SAS Nagar (Mohali), Tarn-Taran	<i>Amritsar, Barnala, Bhatinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Mansa, Moga, Muktsar, NawanShahr, Patiala, Ropar, Rupnagar, Sangrur, Tarn-Taran</i>	Mansa, Amritsar, Gurdaspur, Hoshiarpur, Kapurthala, Ropar, Faridkot, Nawashahar, Sangrur, Taran Taran	Bhathinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Mansa, Rupnagar, Sangrur	<b>Lead:</b> Amritsar, Bathinda, Ferozpur, Gurdaspur, Muktsar, Ropar <b>Cadmium:</b> Fatehgarh Sahib, Ludhiana, Nawansahar, Patiala, Ropar, Sangrur, Sasnagar, Tarantaran <b>Chromium:</b> Amritsar, Bathinda, Gurdaspur, Kapurthala, Mansa, Ropar, Barnala, Sangrur, Sasnagar, Tarantaran
23	<b>Rajasthan</b>	Ajmer, Alwar, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittorgarh, Churu, Dausa, Dhaulpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Rajasamand, Sawai-Madhonpur, Sikar, Sirohi, Tonk, Udaipur	Ajmer, Alwar, Banswara, Barmer, Bharatpur, Baran, Bhilwara, Bikaner, Bundi, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sirohi, Sikar, Sawai Madhopur, Tonk, Udaipur	<i>Ajmer, Alwar, Banswara, Baran, Barmer, Bundi, Bharatpur, Bhilwara, Bikaner, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sawai Madhopur, Tonk, Udaipur</i>	Ganganagar	Ajmer, Alwar, Banswara, Baran, Barmer, Bharatpur, Bhilwara, Bikaner, Bundi, Chittaurgarh, Churu, Dausa, Dhaulpur, Dungarpur, Ganganagar, Hanumangarh, Jaipur, Jaisalmer, Jalore, Jhalawar, Jhunjhunu, Jodhpur, Karauli, Kota, Nagaur, Pali, Pratapgarh, Rajsamand, Sikar, Sawai Madhopur, Sirohi, Tonk, Udaipur	<b>Lead:</b> Jhunjhunu Dist (Khetri Copper Deposit), Pali, Jaipur (Sambhar Lake, Sanganer)
24	<b>Tamil Nadu</b>	Chennai, Coimbatore, Cuddalore,	Coimbatore, Dharmapuri, Dindigul, Erode,	<i>Chennai, Coimbatore, Cuddalore,</i>	Ariyalur Cuddalore, Nagapattinam,	Namakkal, Salem	<b>Lead :</b> Dindigul, Tiruvallur,



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		Dharamपुरi, Dindigul, Kancheepuram, Karur, Nagapattinam, Namakkal, Perambalur, Pudukkottai, Ramnathapuram, Salem, Sivaganga, Thanjavur, Theni, Thiruvallur, Tirunelveli, Trichchirappalli, Tuticorin, Vellore, Villupuram, Virudhunagar,	Karur, Kancheepuram, Krishnagiri, Namakkal, Madurai, Pudukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Tiruchirappally, Thirunelveli, Tirupur Vellore,	<i>Dharmapuri, Dindigul, Erode, Kancheepuram, Kanyakumari, Karur, Madurai, Namakkal, Nilgiris, Perambalur, Pudukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Thanjavur, Tirunelveli, Thiruvallur, Trichy, Tuticorin, Vellore, Villupuram, Virudhunagar</i>	Ramnathapuram, Tiruvallur, Tirunelveli, Thiruvarur, Trichchirappalli, Tuticorin		Kancheepuram <b>Cadmium :</b> Tiruvallur <b>Chromium:</b> Cuddalore, Dindigul, Erode, Kanchipuram, Tiruvallur
25	Tripura					Dhalai, North Tripura, South Tripura, West Tripura,	
26	Uttar Pradesh	Agra, Aligarh, Firozabad, Hamirpur, Kashganj, Kanpur Nagar, Mathura, Rae Bareli, Unnao	Agra, Aligarh, Allahabad, Auraiya, Banda, Bulandshahar, Etah, Etawah, Farrukhabad, Fatehpur, Firozabad, G B Nagar, Ghaziabad, Hathras, Jaunpur, Kannauj, Kanpur Nagar, Kasganj (Kashiram Nagar), Lalitpur, Mahoba, Mainpuri, Mathura, Maunath Bhanjan, Pratapgarh, Rai Bareli, Shajahanpur, Sonbhadra, Sultanpur, Varanasi and Unnao	Agra, Aligarh, Allahabad, Ambedkar Nagar, Auraiya, Azamgarh, Badaun, Baghpat, Balrampur, Banda, Barabanki, Bareilly, Basti, Bijnor, Bulandsahr, Chitrakoot, Etah, Fatehpur, Firozabad, GB Nagar, Ghaziabad, Ghazipur, Hamirpur, Hardoi, Hathras, Jaunpur, Jhansi, Kannauj, Kanpur Dehat, Lakhimpur, Mahoba, Mathura, Meerut, Mau, Moradabad, Muzaffarnagar,	<i>Bahraich, Balia, Balrampur, Bareilly, Basti, Bijnor, Chandauli, Ghazipur, Gonda, Gorakhpur, LakhimpurKheri, Meerut, Mirzapur, Muradabad, Rai Bareilly, SantKabir Nagar, Shajahanpur, Siddarthnagar, SantRavidasNagar, Unnao, Azamgarh, Bahraich, Badaun, Deoria, Jhansi, Kausambi, Kushinagar, Pilibhit, Maunath Bhanjan,</i>	Azamgarh, Ballia, Balrampur, Etawah, Fatehpur, Gazipur, Gonda, Hardoi, KanpurDehat, Kanpur Nagar, Lakhimpur, Lalitpur, Mau, Siddartnagar, Unnao	<b>Lead:</b> Muzaffar Nagar, Mathura, Moradabad, Allahabad, Bhadohi, Ghaziabad, Jaunpur, Kanpur, Raebareli, Sonbhadra <b>Cadmium:</b> Varanasi city, Unnao <b>Chromium :</b> Kashi, Vidyaapeeth, Varanasi, Kanpur, Unnao

S. No.	State/ UT	Salinity (EC above 3000 micro mhos/ cm) (EC : Electrical Conductivity)	Fluoride ( above 1.5 mg/l)	Nitrate (above 45 mg/l)	Arsenic (above 0.01 mg/l)	Iron (above 1mg/l )	Heavy metals: Lead (above 0.01 mg/l) Cadmium (above 0.003 mg/l) Chromium (above 0.05 mg/l)
				Mirzapur, Raebarelli, SantRavidas Nagar, Shajahanpur, Sitapur, Sonbhadra, Sultanpur, Shravasti, Siddarth Nagar, Unnao			
27	Uttarakhand			<i>Dehradun, Haridwar, Udhamasingh Nagar</i>			
28	West Bengal	Howrah, N 24 Parganas, PurbaMedinipore, S 24 Parganas	Bankura, Birbhum, Dakshindinajpur, Malda, Purulia, Uttardinajpur, South 24 Praganas	<i>Bankura, Bardhaman</i>	<i>Bardhaman, Hooghly, Howrah, Malda, Murshidabad, Nadia, N-24 Parganas, S- 24 Parganas, Kochbihar</i>	Bankura, Bardhaman, Birbhum, Dakshindinajpur, E. Midnapur, Howrah, Hugli, Jalpaiguri, Kolkatta, Murshidabad, N-24 Parganas, Nadia, S-24 Parganas, Uttardinajpur, West Midnapur	<b>Lead:</b> Malda, Murshidabad, Nadia, N-24 Pargana, S-24 Praganas, Kolkata <b>Cadmium:</b> N-24 Praganas, S-24 Prganas <b>Chromium:</b> N-24 Praganas, Murshidabad
29	Andaman & Nicobar					Andaman	
30	Daman & Diu				Diu		
	<b>Total</b>	<b>212 districts in 15 states</b>	<b>335 districts in 20 states</b>	<b>387 districts in 21 states</b>	<b>153 districts in 21 states &amp; UTs</b>	<b>302 districts in 25 states and 1 UT</b>	<b>Pb in 92 districts in 14 states Cd in 24 districts in 9 states Cr in 29 districts in 10 states</b>

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