

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. †1329**  
ANSWERED ON 09.02.2017

**CONTAMINATION OF GROUND WATER**

†1329.           SHRIMATI VEENA DEVI  
                  SHRI JITENDRA CHAUDHURY

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

- (a) whether the Government is aware that the ground water in the country is highly contaminated with toxic pollutants and heavy metals like Fluoride, Nitrate, Arsenic, Lead, Cadmium, Chromium etc., if so, the details and the present status thereof, State-wise;
- (b) the details of the steps taken along with the ongoing schemes/projects/ programmes being implemented to tackle the situation and improve/recharge groundwater level including the funds allocated/released/spent for the purpose during the last three years, State-wise;
- (c) the additional resources decided to be constructed for the purpose; and
- (d) the present status of the implementation of the schemes/projects/ programmes meant for the purpose?

**ANSWER**

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

(a) Ground water quality data generated by Central Ground Water Board (CGWB) during various scientific studies and ground water quality monitoring indicates that ground water in isolated pockets in parts of various States is contaminated with Fluoride, Nitrate, Arsenic, Lead, Cadmium, Chromium etc. The State-wise details of districts affected in parts with ground water contamination are given at **Annexure I.**

(b) to (d) 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. State/ UT wise details of funds released and expenditure incurred during last three years under Water Quality Monitoring and Surveillance Programme under NRDWP as per MIS of Ministry of Drinking Water and Sanitation is given in **Annexure II (a to c)**.

Water conservation and water harvesting works are on prime focus under Mahatma Gandhi National Rural Employment Guarantee Act. In the current financial year, 2016-17, a target of constructing 8,82,325 Farm Ponds under MGNREGA has been kept. States/UTs-wise details of amount released and expenditure under the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) during the last four years and the current year years is indicated at **Annexure-III**.

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**ANNEXURE - I**

Annexure referred in reply to Lok Sabha Unstarred Question No. 1329 dated 09.02.2017 regarding “Contamination of 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	Adilabad, Nizamabad, Karimnagar, Warangal Khammam, Hyderabad, Mahabubnagar, Medak, Nalgonda, Rangareddy,	Nalgonda,	Adilabad, Hyderabad, Karimnagar, Mahabubnagar, Medak, Nalgonda, Nizamabad, Ranga Reddy	Lead : Rangareddy, Nalgonda Cadmium: Rangareddy Chromium: Rangareddy
3	<b>Assam</b>		Goalpara, Kamrup, KarbiAnglong, Nagaon, 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( Bhabua), Munger, Nawada, Rohtas, Jahanabd, Lakhisarai, Sheikhpura, Nalanda	Aurangabad, Banka, Bhagalpur, Bhojpur, Darbhanga, Kaimur(Bhabua), Patna, Rohtas, Saran, Siwan	Begusarai, Bhagalpur, Bhojpur, Buxar, Darbhanga, Katihar, Khagaria, Kishanganj, Lakhisarai, Munger, Patna, Purnea, Samastipur, Saran, Vaishali E.Champaran, Gopalganj, Lohardaga, Madhepura, Muzaffarpur Saharsa, Siwan, W Champaran	Aurangabad, Begusarai, Bhojpur, Buxar, East Champaran, Gopalganj, Katihar, Khagaria, Kishanganj, Lakhiserai, Madhepura, Muzaffarpur, Nawada, Rohtas, Saharsa, Samastipur, Siwan, Supaul,	

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)
						West Champaran	
6	<b>Chhattisgarh</b>		Bastar, Balod , Balrampur, Bemetra, Bijapur , Durg, Kanker, Kondagaon, Korba, Koriya, Raigarh, Surajpur, Surguja	Bastar, Bilaspur, Dantewada, Dhamtari, Jashpur, Kanker, Kawardha, Korba, Mahasamund, Raigarh, Raipur, Rajnandgaon	Rajnandgaon	Bastar, Dantewada, Kanker, Koriya,	Lead: Korba Cadmium: Korba Chromium: 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	East Delhi, Central Delhi, New Delhi, North Delhi, North West Delhi, South Delhi, South West Delhi, West Delhi	East, North east		Lead : Along Najafgarh drain in North, West and South-west districts Cadmium : Southwest Chromium : 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	Ahmedabad, Amreli, Anand, Banaskantha, Bharuch, Bhavnagar, Dahod, Jamnagar, Junagadh, Kachchh, Kheda, Mehesana, Narmada, Navsari, Panchmahals, Patan, Porbandar, Rajkot, Sabarkantha, Surat, Surendranagar, Vadodara	Amreli, Anand, Bharuch, Bhavnagar, Dahod, Gandhinagar, Kachchh, Mehesana, Patan, Rajkot, Surendranagar, Vadodara	Ahmedabad, Banaskantha, Bhavnagar, Kachchh, Mehesana, Narmada	
10	<b>Haryana</b>	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	Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, Mahendargarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonipat, Yamuna Nagar	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	Lead: Ambala, Bhiwani, Faridabad, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Mahendragarh, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonapat. Cadmium: Bhiwani, Gurgaon, Jhajjar, Jind, Kaithal, Rewari, Rohtak. Chromium: Fatehabad
11	<b>Himachal Pradesh</b>			Una, Solan, Hamirpur, Kangra, Mandi,	Kangra		

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				Kullu			
12	<b>Jammu &amp; Kashmir</b>		Jammu, Kathua	Jammu, Kathua, Anantnag, Kupwara	Jammu, Kathua, Rajouri	Baramulla, Budgam, Kathua, Kupwara, Pulwama, Srinagar	Lead: Jammu (Gangyal), Bari Brahma, Kathua Cadmium: Kathua
13	<b>Jharkhand</b>		Bokaro, Dhanbad, Garhwa, Giridih, Godda, Gumla, Koderma, Pakur, Palamu, Ranchi, Sahebganj, Khunti	Chatra, Garhwa, Godda, Gumla, Lohardaga, Pakur, Palamu, Paschim Singhbhum, Purbi Singhbhum, Ranchi, Sahibganj	Sahebganj	Chatra, Deoghar, East Singhbhum, Giridih, Ranchi, West Singhbhum	Lead: Jamshepur
14	<b>Karnataka</b>	Bagalkote, Bangalore-Rural, Bangalore-Urban, Belgaum, Bellary, Bijapur, Chamarajanagara, Chikballapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu/Coorg, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara Kannada, Yadgir	Bagalkot, Bangalore(Rural), Bangalore(Urban), Belgaum, Bellary, Bidar, Bijapur, Chikaballapur, Chamarajanagar, Chikmagalur, Chitradurga, Davanagere, Dharwad, Dakshina Kannada, Gadag, Gulburga, Hassan, Haveri, Kolar, Koppal, Mandya, Mysore, Raichur, Ramnagara, Shimoga, Tumkur, Yadgir, Uttara Kannada, Udupi	Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mandya, Raichur, Shimoga, Udupi, Uttara Kannada	Raichur and Yadgir district	Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, 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	Alappuzha, Idukki, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Thrissur, Wayanad		Alappuzha, Ernakulam, Idukki, Kannur, Kasaragod, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Quilon, Thiruvananthapuram, Thrissur, Wayanad	Lead: Ernakulam, Kollam Chromium: Kollam
16	<b>Madhya Pradesh</b>	Balaghat, Bhind, Chhatrapur, Gwalior, Indore, Jhabua, Kargone, Morena, Neemuch, Ratlam, Rewa, Satna, Sehore, Sheopur, Shivpuri, Ujjain	Alirajpur, Balaghat, Barwani, Betul, Bhind, Bhopal, Chhatrapur, 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,	Alirajpur, Anuppur, Ashok Nagar, Balaghat, Barwani, Betul, Bhind, Bhopal, Burhanpur, Chhatrapur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Harda, Hoshangabad, Indore, Jabalpur, Jhabua, Khandwa, Khargon, Katni,	Betul, Burhanpur, Chhindwara, Dhar, Khandwa, Mandsaur, Neemuch, Umariya	Balaghat, Barwani, Betul, Bhind, Bhopal, Chhatrapur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Raisen, Rajgarh, Satna, Sehore, Shajapur, Shivpuri, Vidisha	Lead: Balaghat, Barwani, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Gwalior, Raisen, Rajgarh, Satna, Sehore, Shajapur, Shivpuri, Vidisha

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			Vidisha	Mandla, Mandsaur, Morena, Narsimhapur, Neemuch, Panna, Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Shivpuri, Sidhi, Singrauli, Tikamgarh, Ujjain, Umaria, Vidisha		Raisen, Rajgarh, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Shivpuri, Sidhi, Tikamgarh, Ujjain, Umaria, Vidisha, East Nimar	
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	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		Ahmednagar, Amravati, Beed, Buldana, Chandrapur, Dhule, Gadchiroli, Jalna, Kolhapur, Latur, Nandurbar, Nashik, Osmanabad, Parbhani, Ratnagiri, Satara, Thane, Wardha, Washim, Yavatmal	Lead: Ahmed Nagar, Akola, Aurangabad, Beed, Buldana, Dhule, Gadchiroli, Jalna, Kolhapur, Latur, Nagpur, Nanded, Osamabad, 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, Sonepur, Sundargarh	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, Sundergarh, Sonpur	Gajapati	Balasore, Bargarh, Bhadrak, Cuttack, Deogarh, J.Singhpur, Jajpur, Jharsuguda, Kalahandi, Kandmahal, Keonjhar, Kendrapara, Khurda, Koraput, Mayurbhanj, Nayagarh, Puri, Rayagada, Sambalpur, Sundergarh, Sonpur	Chromium (Hexavalent) - Sukinda valley in Sukinda block of Jajpur District
22	<b>Punjab</b>	Bhatinda, Faridkot, Ferozpur, Gurdaspur, Mansa, Moga, Muktsar Patiala, Sangrur	Amritsar, Barnala, Bhatinda, Fazilka, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Jalandhar,	Amritsar, Barnala, Bhatinda, Faridkot, Fatehgarh Sahib, Firozpur,	Mansa, Amritsar, Gurdaspur, Hoshiarpur, Kapurthala, Ropar, Faridkot, Nawashahar,	Bhatinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur,	Lead: Amritsar, Bathinda, Ferozepur, Gurdaspur,

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			Ludhiana, Mansa, Moga, Muktsar, Pathankot, Patiala, Ropar, Sangrur, SAS Nagar (Mohali), Tarn-Taran	Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Mansa, Moga, Muktsar, NawanShahr, Patiala, Ropar, Rupnagar, Sangrur, Tarn-Taran	Sangrur, Taran Taran	Hoshiarpur, Mansa, Rupnagar, Sangrur	Muktsar, Ropar, Cadmium: Fatehgarh Sahib, Ludhiana, Nawansahar, Patiala, Ropar, Sangrur, Sasnagar, Tarantaran Chromium: 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-Madhopur, 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	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, Partapgarh, Rajasamand, Sirohi, Sikar, Sawai Madhopur, Tonk, Udaipur	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, Rajasamand, Sikar, Sawai Madhopur, Sirohi, Tonk, Udaipur	Lead: Jhunjhunu Dist (Khetri Copper Deposit), Pali, Jaipur (Sambhar Lake, Sanganer)
24	<b>Tamil Nadu</b>	Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Kancheepuram, Karur, Nagapattinam, Namakkal, Perambalur, Pudukkottai, Ramnathapuram, Salem, Sivaganga, Thanjavur, Theni, Thiruvallur, Tirunelveli, Trichchirappalli, Tuticorin, Vellore, Villupuram, Virudhunagar,	Coimbatore, Dharmapuri, Dindigul, Erode, Karur, Kancheepuram, Krishnagiri, Namakkal, Madurai, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Tiruchirappally, Thirunelveli, Tirupur Vellore,	Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kancheepuram, Kanyakumari, Karur, Madurai, Namakkal, Nilgiris, Perambalur, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Thanjavur, Tirunelveli, Thiruvallur, Trichy, Tuticorin, Vellore, Villupuram,	Ariyalur Cuddalore, Nagapattinam, Ramnathapuram, Tiruvallur, Tirunelveli, Thiruvarur, Trichchirappalli, Tuticorin	Namakkal, Salem	Lead : Dindigul, Tiruvallur, Kancheepuram Cadmium : Tiruvallur Chromium: Cuddalore, Dindigul, Erode, Kanchipuram, Tiruvallur

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				Virudhunagar			
25	<b>Tripura</b>					Dhalai, North Tripura, South Tripura, West Tripura,	
26	<b>Uttar Pradesh</b>	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, Mirzapur, Raebarelli, SantRavidas Nagar, Shajahanpur, Sitapur, Sonbhadra, Sultanpur, Shravasti, Siddarth Nagar, Unnao	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,	Azamgarh, Ballia, Balrampur, Etawah, Fatehpur, Gazipur, Gonda, Hardoi, KanpurDehat, Kanpur Nagar, Lakhimpur, Lalitpur, Mau, Siddartnagar, Unnao	Lead: Muzzafar Nagar, Mathura, Moradabad, Allahabad, Bhadohi, Ghaziabad, Jaunpur, Kanpur, Raebareli, Sonbhadra Cadmium: Varanasi city, Unnao Chromium : Kashi Vidyapeeth, Varanasi, Kanpur, Unnao
27	<b>Uttarakhand</b>			Dehradun, Haridwar, Udhamasinghnagar			
28	<b>West Bengal</b>	Howrah, N 24 Parganas, PurbaMedinipore, S 24 Parganas	Bankura, Birbhum, Dakshindinajpur, Malda, Purulia, Uttardinajpur, South 24 Praganas	Bankura, Bardhaman	Bardhaman, Hooghly, Howrah, Malda, Murshidabad, Nadia, N-24 Parganas, S- 24 Parganas, Kochbihar	Bankura, Bardhaman, Birbhum, Dakhindinajpur, E. Midnapur, Howrah, Hugli, Jalpaiguri, Kolkatta, Murshidabad, N-24 Parganas, Nadia, S-24 Parganas, Uttardinajpur, West Midnapur	Lead: Malda, Murshidabad, Nadia, N-24 Pargana, S-24 Praganas, Kolkata Cadmium: N-24 Praganas, S-24 Praganas Chromium: N-24 Praganas, Murshidabad
29	<b>Andaman &amp; Nicobar</b>					Andaman	
30	<b>Daman &amp; Diu</b>				Diu		
	<b>Total</b>	212 districts in 15 states	335 districts in 20 states	387 districts in 21 states	153 districts in 21 states & UTs	302 districts in 25 states and 1 UT	Pb in 92 districts in 14



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)
							states Cd in 24 districts in 9 states Cr in 29 districts in 10 states

**ANNEXURE-II (a)**

Annexure referred in reply to Lok Sabha Unstarred Question No. 1329 dated 09.02.2017 regarding “Contamination of Ground Water”

**State-wise Release and Expenditure Statement  
WQMSP Fund  
(2014-15)**

S.No.	State	Latest Reported Month	Release			Expenditure		
			Total	Central	State	Total	Central	State
1	ANDAMAN and NICOBAR	March	0.01	0.01	0.00	0.00	0.00	0.00
2	ANDHRA PRADESH	March	5.26	5.26	0.00	8.42	8.42	0.00
3	ARUNACHAL PRADESH	March	3.94	3.94	0.00	2.88	2.88	0.00
4	ASSAM	March	16.44	16.44	0.00	17.45	17.45	0.00
5	BIHAR	March	6.28	6.28	0.00	4.45	4.45	0.00
6	CHANDIGARH	-	0.00	0.00	0.00	0.00	0.00	0.00
7	CHATTISGARH	March	2.85	2.85	0.00	2.61	2.61	0.00
8	DADRA & NAGAR HAVELI	-	0.00	0.00	0.00	0.00	0.00	0.00
9	GOA	-	0.00	0.00	0.00	0.00	0.00	0.00
10	GUJARAT	March	12.57	12.57	0.00	12.49	12.49	0.00
11	HARYANA	March	4.31	4.31	0.00	1.34	1.34	0.00
12	HIMACHAL PRADESH	March	4.11	4.11	0.00	3.24	3.24	0.00
13	JAMMU AND KASHMIR	March	9.81	9.81	0.00	9.23	9.23	0.00
14	JHARKHAND	March	4.04	4.04	0.00	4.09	4.09	0.00
15	KARNATAKA	March	16.31	16.31	0.00	21.64	21.64	0.00
16	KERALA	March	0.86	0.86	0.00	2.69	2.69	0.00
17	LAKSHADWEEP	-	0.00	0.00	0.00	0.00	0.00	0.00
18	MADHYA PRADESH	March	5.12	5.12	0.00	6.48	6.48	0.00
19	MAHARASHTRA	March	24.66	24.66	0.00	15.98	15.98	0.00
20	MANIPUR	March	0.06	0.06	0.00	0.31	0.31	0.00
21	MEGHALAYA	March	0.25	0.25	0.00	0.23	0.23	0.00
22	MIZORAM	March	0.61	0.61	0.00	0.32	0.32	0.00
23	NAGALAND	March	0.75	0.75	0.00	1.43	1.43	0.00
24	ODISHA	March	7.88	7.88	0.00	4.02	4.02	0.00
25	PUDUCHERRY	-	0.00	0.00	0.00	0.00	0.00	0.00
26	PUNJAB	March	3.00	3.00	0.00	2.05	2.05	0.00
27	RAJASTHAN	March	0.00	0.00	0.00	11.53	11.53	0.00
28	SIKKIM	March	0.58	0.58	0.00	0.31	0.31	0.00
29	TAMIL NADU	March	9.59	9.59	0.00	10.88	10.88	0.00
30	TELANGANA	March	6.81	6.81	0.00	4.42	4.42	0.00
31	TRIPURA	March	0.99	0.99	0.00	0.97	0.97	0.00
32	UTTAR PRADESH	March	26.66	26.66	0.00	0.00	0.00	0.00
33	UTTARAKHAND	March	2.55	2.55	0.00	1.69	1.69	0.00
34	WEST BENGAL	March	12.00	12.00	0.00	16.81	16.81	0.00

**ANNEXURE-II (b)**

Annexure referred in reply to Lok Sabha Unstarred Question No. 1329 dated 09.02.2017 regarding “Contamination of Ground Water”

**State-wise Release and Expenditure Statement  
WQMSP Fund  
(2015-16)**

S.No.	State	Latest Reported Month	Release			Expenditure		
			Total	Central	State	Total	Central	State
1	ANDAMAN and NICOBAR	-	0.00	0.00	0.00	0.00	0.00	0.00
2	ANDHRA PRADESH	March	4.86	4.86	0.00	8.10	8.10	0.00
3	ARUNACHAL PRADESH	March	1.91	1.91	0.00	3.27	3.27	0.00
4	ASSAM	March	6.55	6.55	0.00	6.93	6.93	0.00
5	BIHAR	March	3.51	3.51	0.00	10.60	10.60	0.00
6	CHANDIGARH	-	0.00	0.00	0.00	0.00	0.00	0.00
7	CHATTISGARH	March	2.41	2.41	0.00	1.49	1.49	0.00
8	DADRA & NAGAR HAVELI	-	0.00	0.00	0.00	0.00	0.00	0.00
9	GOA	-	0.04	0.04	0.00	0.00	0.00	0.00
10	GUJARAT	March	6.28	6.28	0.01	1.59	1.59	0.00
11	HARYANA	March	1.03	1.03	0.00	2.76	2.76	0.00
12	HIMACHAL PRADESH	March	2.41	2.41	0.00	2.96	2.96	0.00
13	JAMMU AND KASHMIR	March	8.08	8.08	0.00	8.65	8.65	0.00
14	JHARKHAND	March	3.06	3.06	0.00	4.81	4.81	0.00
15	KARNATAKA	March	7.47	7.47	0.00	4.94	4.94	0.00
16	KERALA	March	1.04	1.04	0.00	1.07	1.07	0.00
17	LAKSHADWEEP	-	0.00	0.00	0.00	0.00	0.00	0.00
18	MADHYA PRADESH	March	12.32	7.20	5.11	9.78	9.15	0.63
19	MAHARASHTRA	March	12.32	12.32	0.00	15.43	15.43	0.00
20	MANIPUR	March	0.50	0.50	0.00	0.23	0.23	0.00
21	MEGHALAYA	March	0.65	0.65	0.00	0.30	0.30	0.00
22	MIZORAM	March	0.55	0.55	0.00	0.78	0.78	0.00
23	NAGALAND	February	0.43	0.43	0.00	0.43	0.43	0.00
24	ODISHA	March	3.63	3.63	0.00	5.53	5.53	0.00
25	PUDUCHERRY	-	0.00	0.00	0.00	0.00	0.00	0.00
26	PUNJAB	March	1.38	1.38	0.00	0.92	0.92	0.00
27	RAJASTHAN	March	6.55	6.55	0.00	6.43	6.43	0.00
28	SIKKIM	March	0.14	0.14	0.00	0.12	0.12	0.00
29	TAMIL NADU	March	4.63	4.63	0.00	4.01	4.01	0.00
30	TELANGANA	March	3.70	3.70	0.00	5.66	5.66	0.00
31	TRIPURA	March	0.79	0.79	0.00	1.22	1.22	0.00
32	UTTAR PRADESH	February	12.90	12.90	0.00	26.42	26.42	0.00
33	UTTARAKHAND	March	1.30	1.30	0.00	1.78	1.78	0.00
34	WEST BENGAL	March	9.25	5.55	3.70	9.16	5.46	3.70

**ANNEXURE-II(c)**

Annexure referred in reply to Lok Sabha Unstarred Question No. 1329 dated 09.02.2017 regarding "Contamination of Ground Water"

**State-wise Release and Expenditure Statement  
WQMSP Fund  
(2016-17)**

S.No.	State	Latest Reported Month	Release upto 07/02/2017			Expenditure		
			Total	Central	State	Total	Central	State
1	ANDAMAN and NICOBAR	-	0.01	0.01	0.00	0.00	0.00	0.00
2	ANDHRA PRADESH	December	7.40	2.74	4.66	9.85	5.24	4.62
3	ARUNACHAL PRADESH	December	1.10	1.10	0.00	1.54	1.54	0.00
4	ASSAM	August	3.70	3.70	0.00	2.93	2.93	0.00
5	BIHAR	October	7.54	7.54	0.00	3.51	3.51	0.00
6	CHANDIGARH	-	0.00	0.00	0.00	0.00	0.00	0.00
7	CHATTISGARH	December	2.88	1.36	1.52	1.96	1.30	0.65
8	DADRA & NAGAR HAVELI	-	0.00	0.00	0.00	0.00	0.00	0.00
9	GOA	-	0.05	0.05	0.00	0.00	0.00	0.00
10	GUJARAT	January	3.65	3.54	0.11	0.99	0.98	0.02
11	HARYANA	December	1.17	1.17	0.00	1.03	1.03	0.00
12	HIMACHAL PRADESH	December	1.50	1.36	0.14	2.09	2.09	0.00
13	JAMMU AND KASHMIR	December	4.61	4.61	0.00	3.16	3.16	0.00
14	JHARKHAND	January	2.86	1.82	1.05	2.56	2.12	0.44
15	KARNATAKA	January	9.90	4.56	5.34	0.00	0.00	0.00
16	KERALA	December	1.18	1.18	0.00	1.18	1.18	0.00
17	LAKSHADWEEP	-	0.00	0.00	0.00	0.00	0.00	0.00
18	MADHYA PRADESH	December	8.95	4.06	4.89	6.25	3.78	2.46
19	MAHARASHTRA	November	6.95	6.95	0.00	6.84	6.84	0.00
20	MANIPUR	December	0.46	0.46	0.00	0.54	0.54	0.00
21	MEGHALAYA	December	0.59	0.59	0.00	0.57	0.57	0.00
22	MIZORAM	December	0.32	0.32	0.00	0.34	0.34	0.00
23	NAGALAND	June	0.39	0.39	0.00	0.00	0.00	0.00
24	ODISHA	December	2.15	2.15	0.00	3.73	3.73	0.00
25	PUDUCHERRY	-	0.02	0.02	0.00	0.00	0.00	0.00
26	PUNJAB	December	0.82	0.82	0.00	1.10	1.10	0.00
27	RAJASTHAN	December	8.31	7.42	0.89	0.67	0.59	0.08
28	SIKKIM	-	0.13	0.13	0.00	0.00	0.00	0.00
29	TAMIL NADU	December	7.46	5.22	2.24	5.04	3.03	2.00
30	TELANGANA	December	5.69	3.72	1.98	4.90	2.94	1.96
31	TRIPURA	December	0.67	0.61	0.07	0.63	0.58	0.05
32	UTTAR PRADESH	April	11.77	7.27	4.50	4.50	0.00	4.50
33	UTTARAKHAND	December	1.47	1.47	0.00	2.68	2.68	0.00
34	WEST BENGAL	December	6.26	6.26	0.00	3.20	3.20	0.00

**ANNEXURE III**

**Annexure referred in reply to Lok Sabha Unstarred Question No. 1329 dated 09.02.2017 regarding "Contamination of Ground Water"**

**States/UTs-wise Details of Amount Released and Expenditure under the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) During Last Four years and Current Year**

S.No.	State	Central Release (Rs. in crore)					Total Expenditure (Rs. in crore)				
		2012-13	2013-14	2014-15	2015-16	2016-17 as on 01/02/2017	2012-13	2013-14	2014-15	2015-16	2016-17 as on 01/02/2017
1	ANDHRA PRADESH	3216.74	4750.49	2903.14	3073.80	3669.49	5123.78	5344.01	2839.46	4543.13	3389.90
2	ARUNACHAL PRADESH	68.34	138.53	27.04	43.95	130.76	53.46	95.94	34.42	65.94	97.82
3	ASSAM	534.46	573.50	500.23	878.30	832.63	651.53	699.77	503.11	621.19	1345.66
4	BIHAR	1227.81	1580.71	959.68	1024.12	1568.23	1860.45	2027.02	1081.71	1624.13	1934.64
5	CHHATTISGARH	2031.36	1446.02	1505.70	1063.41	2039.17	2221.78	2023.98	1754.22	1283.01	2371.99
6	GUJARAT	474.41	335.30	354.43	305.99	562.04	617.42	489.03	471.22	428.64	590.37
7	HARYANA	349.36	376.88	167.15	124.71	199.38	380.63	381.62	216.47	142.42	230.76
8	HIMACHAL PRADESH	361.30	477.97	355.43	396.10	294.57	496.12	569.59	406.23	391.56	397.20
9	JAMMU AND KASHMIR	762.76	603.16	521.71	558.02	756.26	853.35	769.71	391.59	768.25	603.98
10	JHARKHAND	809.17	621.43	724.33	978.80	1497.87	1152.36	912.44	1029.08	1331.67	1359.27
11	KARNATAKA	1231.94	1596.07	1716.87	991.55	1809.53	1448.39	2068.41	1675.70	1822.19	2470.78
12	KERALA	1311.18	1277.11	1587.58	1526.34	1579.53	1416.56	1300.57	1616.97	1483.50	1876.43
13	MADHYA PRADESH	1610.15	1839.82	2451.63	2367.32	2873.12	3110.79	2618.95	2805.37	2499.93	2824.74
14	MAHARASHTRA	1573.24	1152.92	799.52	1238.35	1535.56	2170.29	1274.68	1609.88	1851.07	1808.87
15	MANIPUR	590.23	231.00	219.97	255.32	343.70	600.08	254.77	267.14	231.21	291.66
16	MEGHALAYA	226.11	271.06	277.86	221.83	860.69	265.90	318.49	309.35	273.67	629.72
17	MIZORAM	252.29	244.74	111.41	285.17	87.45	290.39	260.38	114.20	298.59	68.89
18	NAGALAND	460.12	292.15	113.05	266.66	501.53	428.29	294.80	157.82	195.02	446.05
19	ODISHA	847.98	757.53	1035.30	1479.41	1775.99	1177.67	1286.80	1068.92	2052.03	1849.04
20	PUNJAB	114.21	226.15	189.48	245.33	458.47	157.69	258.92	213.50	300.23	494.40
21	RAJASTHAN	2585.34	2059.43	2976.10	2695.83	4335.45	3271.55	2629.61	3251.86	3268.64	4012.39
22	SIKKIM	74.07	106.84	73.86	86.23	132.63	81.34	108.90	77.35	97.14	110.05
23	TAMIL NADU	3546.05	4690.21	3781.80	5470.37	4245.65	4121.29	3938.53	3919.54	6254.54	4883.98
24	Telangana			1919.96	1824.85	1742.99			1903.75	2378.60	1596.48
25	TRIPURA	768.90	943.66	636.62	1358.94	861.22	971.02	1075.04	822.39	1371.53	956.22
26	UTTAR PRADESH	1292.02	2896.39	2513.41	2695.69	3411.80	2665.30	3460.68	3139.09	2976.13	3710.03
27	UTTARAKHAND	268.27	330.01	286.36	450.77	492.67	311.86	380.84	318.45	492.53	609.17
28	WEST BENGAL	3395.48	2894.38	3744.95	4711.74	4651.21	3850.88	3725.17	4012.87	4847.92	5666.54
29	ANDAMAN AND NICOBAR	13.81	19.18	13.02	10.36	8.01	13.00	17.88	9.05	3.33	0.66
32	GOA	2.41	2.06	1.38	2.47	4.26	1.45	2.97	4.57	3.01	2.34
33	LAKSHADWEEP	1.18	0.17	0.45	0.12	0.00	1.53	0.74	0.71	0.30	0.23
34	PUDUCHERRY	8.86	8.80	7.40	12.93	3.00	12.15	11.37	6.50	9.18	8.98
	Total	30009.56	32743.68	32476.87	36644.80	43264.87	39778.29	38601.59	36032.48	43910.20	46639.23

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