

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 802**  
ANSWERED ON 20.07.2017  
**CONTAMINATION OF GROUND WATER**

802. SHRI BHAGWANTH KHUBA  
SHRI D.K. SURESH

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

- (a) whether, it is true that the widespread use of fertilizers and pesticides cause considerable contamination in ground water in the country;
- (b) if so, the details of the States largely affected with contamination of ground water along with current status of contamination in each State;
- (c) whether the Government is taking any measures to create an awareness among people about the problem and to prevent ground water contamination;
- (d) if so, the details thereof and whether the Government is encouraging any research and development to ensure safe ground water; and
- (e) if so, the details thereof?

**ANSWER**

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

(a) & (b) Ground water quality data generated by Central Ground Water Board (CGWB) during various scientific studies and ground water quality monitoring indicates that contamination of ground water in isolated pockets in parts of various States. Contamination is both geo-genic and anthropogenic in nature including due to use of pesticides and fertilizers. State-wise details of contamination of ground water are given at **Annexure-I**.

(c) to (e) Government is taking several measures to create awareness among people about the problem of ground water contamination and various preventive measures in this regard –

- National Ground Water Training and Research Institute is conducting block level training under its tier –III training programme for stakeholders, farmers, students, PR institutions, wherein, awareness about groundwater challenges and to prevent groundwater contamination is being provided. Details of such 312 training conducted in last five years in the entire Country and current year (up to June 2017) is given at **Annexure-II**.
- CGWB organizes Workshops on Water Conservation, Water Security, Water Quality, Climate Change & Best Practices under Jal Kranti Abhiyan. 15 Workshops during 2015-16 and 5 workshops were held in 2016-17 on Water Conservation related issues.
- In addition to this, under the IEC activity of MoWR, RD & GR, Painting Competition is held every year on Water Conservation & Pollution for the students of Class VI, VII & VIII About 13.5 lakhs students participated in the Seventh National Painting Competition in the year 2016-17. Essay completion Water Conservation & Pollution is also held for the students up to the age of 18 years. About 8000 students participated in the second Essay Competition in the year 2016-17.

Central Government is also encouraging R&D studies to ensure safe ground water. CGWB under Indian National Committee on Ground Water (INCGW) R&D programme is sponsoring Research Project for groundwater. The details of such R&D project undergoing on during last five year and current year are given at **Annexure-III**

**ANNEXURE - I**

Annexure referred in reply to part (a) & (b) of Lok Sabha Unstarred Q.No. 802 to be answered on 20.07.2017 regarding **“Contamination of Ground Water”**

**States-wise Districts affected 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 )
1	Andhra Pradesh	Srikakulam, Visakhapatnam, East-Godavari, West-Godavari, Krishna, Guntur, Prakasam, Nellore, Chittoor, 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	Telangana	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
3	Assam		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, Lakhimpur, Golaghat, Hailakandi, Jorhat, Kamrup, KarbiAnglong, Karimganj, Kokrajhar, Lakhimpur, Morigaon, Nagaon, Nalbari, Sibsagar, Sonitpur
4	Arunachal Pradesh					Changlang , East Siang, Lohit, Papumpare
5	Bihar		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	Aurangabad, Begusarai, Bhojpur, Buxar, East Champaran, Gopalganj, Katihar, Khagaria, Kishanganj, Lakhisarai, Madhepura, Muzaffarpur, Nawada, Rohtas, Saharsa, Samastipur, Siwan, Supaul, West Champaran

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 )
6	Chhattisgarh		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,
7	Delhi	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	
8	Goa					North Goa , South Goa
9	Gujarat	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	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	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, Mahendergarh, Panipat, Rohtak, Sirsa, Sonipat, Yamuna Nagar
11	Himachal Pradesh			Una, Solan, Hamirpur, Kangra, Mandi, Kullu	Kangra	
12	Jammu & Kashmir		Jammu, Kathua	Jammu, Kathua, Anantnag, Kupwara	Jammu, Kathua, Rajouri	Baramulla, Budgam, Kathua, Kupwara, Pulwama, Srinagar
13	Jharkhand		Bokaro, Dhanbad, Garhwa, Giridih, Godda, Gumla, Koderma, Pakur Palamu, Ranchi, , Sahebganj, Khunti	Chatra, Garhwa, Godda, Gumla, Lohardaga, Pakur, Palamu, PaschimiSinghbhum, PuriSinghbhum, Ranchi, Sahibganj	Sahebganj	Chatra, Deoghar, East Singhbhum, Giridih, Ranchi, West Singhbhum
14	Karnataka	Bagalkote, Bangalore-Rural, Bangalore-Urban, Belgaum, Bellary, Bijapur, Chamarajnagara, Chikballapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Dharwad, Gadag, Gulburga, Hassan,	Bagalkot, Bangalore(Rural), Bangalore(Urban), Belgaum, Bellary, Bidar, Bijapur, Chikaballapur Chamarajanagar, Chikmagalur, Chitradurga, Davanagere, Dharwad, Dakshina Kannada,	Bagalkot, , Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Davanagere, Dharwad, Gadag, Gulburga, Hassan, Haveri, Kodagu,	Raichur and Yadgir district	Bagalkot, Bangalore, Belgaum, Bellary, Bidar, Bijapur, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere,

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 )
		Haveri, Kodagu/ Coorg, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara Kannada, Yadgir	Gadag, Gulbarga, Hassan, Haveri, Kolar, Koppal, Mandya, Mysore, Raichur, Ramnagara , Shimoga, Tumkur, Yadgir, Uttara Kannada, Udupi	Kolar, Koppal, Mandya, Raichur, Shimoga, Udupi, Uttar Kannada		Gulbarga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mysore, Raichur, Shimoga, Tumkur, Udupi, Uttara Kannada
15	Kerala	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
16	Madhya Pradesh	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	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, Shivpuri, Sidhi, Singrauli, Tikamgarh, Ujjain, Umaria, Vidisha	Betual, Burhanpur, Chhindwara, Dhar, Khandwa, Mandsaur, Neemuch, Umaria	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, Umaria, Vidisha, East Nimar
17	Maharashtra	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, Kohlapur, Latur, Nandurbar, Nashik, Osmanabad, Parbhani, Ratnagiri, Satara, Thane, Wardha, Washim, Yavatmal
18	Manipur				Bishnupur, Thoubal	Bishnupur, Thoubal

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19	Meghalaya					East Garo Hills, East Khasi Hills, Jaintia Hills
20	Nagaland					Dimapur
21	Odisha	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
22	Punjab	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	Amritsar, Barnala, Bhatinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Mansa, Moga, Muktsar, NawanShahr, Patiala, Ropar, Rupnagar, Sangrur, Tarn-Taran	Mansa, Amritsar, Gurdaspur, Hoshiarpur, Kapurthala, Ropar, Faridkot, Nawashahar, Sangrur, Taran Taran	Bhathinda, Faridkot, Fatehgarh Sahib, Firozpur, Gurdaspur, Hoshiarpur, Mansa, Rupnagar, Sangrur
23	Rajasthan	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, SwaiMadhopur, 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, Rajsamand, Sikar, SawaiMadhopur, Sirohi, Tonk, Udaipur
24	Tamil Nadu	Chennai, Coimbatore, Cuddalore, Dharampuri, Dindigul, Kancheepuram, Karur, Nagapattinam, Namakkal, Perambalur, Pudukkottai, Ramnathapuram, Salem, Sivaganga, Thanjavur,	Coimbatore, Dharmapuri, Dindigul, Erode, Karur, Kancheepuram, Krishnagiri, Namakkal, Madurai, Puddukotai, Ramanathanpuram, Salem, Sivagangai,	Chennai, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kancheepuram, Kanyakumari, Karur, Madurai, Namakkal,	Ariyalur Cuddalore, Nagapattinam, Ramnathapuram, Tiruvallur, Tirunelveli, Thiruvarur, Trichchirappalli,	Namakkal, Salem

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 )
		Theni, Thiruvallur, Tirunelveli, Trichchirappalli, Tuticorin, Vellore, Villupuram, Virudhunagar	Theni, Thiruvannamalai, Tiruchirappally, Thirunelveli, Tirupur Vellore,	Nilgiris, Perambalor, Puddukotai, Ramanathanpuram, Salem, Sivagangai, Theni, Thiruvannamalai, Thanjavur, Tirunelveli, Thiruvallur, Trichy, Tuticorin, Vellore, Villupuram, Virudhunagar	Tuticorin	
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, Mirzapur, Raebarelli, Sant Ravidas Nagar, Shajahanpur, Sitapur, Sonbhadra, Sultanpur, Shrivasti, Siddarth Nagar, Unnao	Bahraich, Balia, Balrampur, Bareilly, Basti, Bijnor, Chandauli, Ghazipur, Gonda, Gorakhpur, Lakhimpur Kheri, Meerut, Mirzapur, Muradabad, Rai Bareilly, Sant Kabir Nagar, Shajahanpur, Siddarthnagar, Sant Ravidas Nagar, Unnao, Azamgarh, Bahraich, Badaun, Deoria, Jhansi, Kausambi, Kushinagar, Pilibhit, Maunath Bhanjan,	Azamgarh, Ballia, Balrampur, Etawah, Fatehpur, Gazipur, Gonda, Hardoi, Kanpur Dehat, Kanpur Nagar, Lakhimpur, Lalitpur, Mau, Siddartnagar, Unnao
27	Uttarakhand			Dehradun, Haridwar, Udhamsinghnagar		
28	West Bengal	Howrah, N 24 Parganas, Purba Medinipore, 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, Dakshindinajpur, E. Midnapur, Howrah, Hugli, Jalpaiguri, Kolkatta, Murshidabad, N-24 Parganas, Nadia, S-24 Parganas, Uttardinajpur, West Midnapur
29	Andaman & Nicobar					Andaman
30	Daman & Diu				Diu	
	Total	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

**ANNEXURE - II**

Annexure referred in reply to part (c) to (e) of Lok Sabha Unstarred Q.No. 802 to be answered on 20.07.2017 regarding “Contamination of Ground Water”

**Trainings under RGI**

Year	Tier-3 training		
	No. of Trainings	No. of Participants	Women Participants
2012-13.	100	15640	3522
2013-14	97	12686	3359
2014-15	35	4930	830
2015-16	46	7437	2498
2016-17	34	5104	1168
<b>Total</b>	<b>312</b>	<b>45797</b>	<b>11377</b>
<b>2017-18 ( Till June 2017)</b>	<b>5</b>	<b>1010</b>	<b>198</b>

**ANNEXURE - III**

Annexure referred in reply to part (c) to (e) of Lok Sabha Unstarred Q.No. 802 to be answered on 20.07.2017 regarding “Contamination of Ground Water”

**Research project sponsored under INCGW in last five year and current year**

<b>Sl. No.</b>	<b>Title of Scheme</b>	<b>Name of Principle Investigator &amp; Institute</b>
1.	Ground water behaviour in Connate water areas and hard rock terrain of Orissa with respect to different schedules of pumping and varied draw-down conditions	Chief Engineer & Director, DGWS&I, Deptt. of Water Resources, Govt. of Orissa, Bhubaneswar & Regional Director, CGWB, SER, Bhubaneswar,
2.	Spatio-temporal modeling of ground water quality using artificial neural network	Dr. K.P. Sudheer, Associate Prof., Dept. of Civil Engg., IIT Madras, Chennai
3.	Assessment of hydrogeochemical impacts of shrimp farming on coastal watershed	Dr. NilaRekha, Senior Scientist, Central Institute of Brackish Water Aquaculture, Chennai
4.	Development of Nanofiltration Membrane Technology for Drinking Water Purification and Water Reclamation for Industrial Use	Dr. Paramita Ray, Scientist, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat
5.	Vulnerability assessment and ground water management studies in aquifers of Pondicherry	Dr. S. Chidambaram, Associate Professor, Dept. of Earth Sciences, Annamalai University, Chidambaram, Tamil Nadu,
6.	Study and Investigations on the Marble Waste Material (Marble Slurry) to remove the Arsenic from Ground Water	Dr. R.N. Yadav, Lecturer, Govt. R.R. (PG) Autonomous College, Alwar ,Rajasthan