

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
LOK SABHA
UNSTARRED QUESTION NO. 514
TO BE ANSWERED ON 20.07.2018

Conservation of Lakes and Rivers

514. SHRI K.R.P. PRABAKARAN:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether a number of lakes and rivers which are not covered under the National River Conservation Plan (NRCP) have been polluted due to discharge of waste, garbage etc;
- (b) if so, the details of lakes and stretches of rivers identified as most polluted, State-wise including Tamil Nadu;
- (c) whether the Government proposes to initiate any action plan for conservation of lakes and the rivers not covered under NRCP; and
- (d) if so, the details thereof and the funds earmarked and allocated for the purpose, State-wise?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (DR. MAHESH SHARMA)

(a) to (d) Pollution load in rivers and lakes has increased over the years due to rapid urbanization and industrialization. Discharge of untreated and partially treated municipal sewage from towns constitutes a major source of pollution in rivers and lakes.

The Central Pollution Control Board (CPCB) in association with the State Pollution Control Boards monitors the water quality of rivers, lakes, ponds & tanks across the country through a network of monitoring stations under the National Water Quality Monitoring Programme. As per the report published by CPCB in February 2015, 302 polluted river stretches have been identified on 275 rivers based on Bio-chemical Oxygen Demand (BOD) levels, a key indicator of organic pollution. The State-wise details of identified polluted river stretches, including Tamil Nadu, are at Annexure-I. The State-wise status of lakes complying/non-complying to designated water quality criteria, including Tamil Nadu, is at Annexure-II.

It is the responsibility of the State Governments/ concerned local bodies to set up facilities for collection, transportation and treatment of sewage for abatement of pollution of rivers & lakes. This Ministry has been supplementing the efforts of the State Governments in abatement of pollution in rivers under the scheme of National River Conservation Plan (NRCP) and conservation & management of lakes & wetlands under a separate scheme of National Plan for Conservation of Aquatic Eco-systems (NPCA), on a cost sharing basis between the Central and State Governments.

Proposals are received from the State Governments from time to time for taking up works for pollution abatement and conservation of various rivers & lakes, and are considered for financial assistance under the NRCP & NPCA schemes subject to their conformity with the scheme guidelines, pollution status, prioritization, appraisal by independent institutions and availability of Plan funds.

NRCP {excluding Ganga and its tributaries, which are handled by Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR,RD&GR) from 01/08/2014 onwards} has so far covered polluted stretches of 32 rivers in 76 towns spread over 14 States in the country at a sanctioned cost of Rs. 4581.91 crore, and Central share of Rs. 2258.72 crore has been released to the State Governments for implementation of various pollution abatement schemes. Sewage treatment capacity of 2472.43 mld (million litres per day) has been created so far under the NRCP. State-wise details of rivers covered and funds released under NRCP, including Tamil Nadu, are given at Annexure-III. During the current financial year, Rs.173.50 crore has been earmarked for NRCP.

State Governments, apart from their own budgetary allocation, are also accessing financial assistance for creation of sewerage infrastructure, including STPs, in various cities/towns under Atal Mission for Rejuvenation and Urban Transformation (AMRUT) and Smart Cities Mission of Ministry of Housing & Urban Affairs as well as Namami Gange programme of Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR,RD&GR).

Under NPCA, an amount of Rs. 893.69 crore has been released so far to the States for conservation and management of 148 identified wetlands and lakes in the country covering 24 States and 1 Union Territory. State-wise details of lakes and wetlands covered as well as funds released under NPCA, including Tamil Nadu, are given at Annexure-IV. During the current financial year, Rs.66 crore has been earmarked for NPCA.

The Ministry of Water Resources, River Development and Ganga Rejuvenation is also implementing the scheme of Repair, Renovation and Restoration (RRR) of water bodies, including ponds and tanks, which aims at improving catchment areas of tanks commands, increase in storage capacity, ground water recharge, improvement in agriculture and increased availability of drinking water.

To ensure proper treatment of municipal wastewater before discharge into the rivers, CPCB has issued directions under Section 18 1(b) of the Water (Prevention and Control of Pollution) Act, 1974 in April, 2015 to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) in the country for setting up of STPs in their respective States. CPCB also issued directions in October, 2015 to municipal authorities of 184 towns (66 metropolitan cities and State capitals + towns along river Ganga) under Section 5 of the Environment (Protection) Act, 1986 to ensure proper treatment and disposal of sewage generated for abatement of pollution of rivers.

Further to control discharge of industrial effluents, the CPCB and respective SPCBs monitor industries with respect to effluent discharge standards and take action for non-compliance under the Water (Prevention and Control of Pollution) Act, 1974 and the Environment (Protection) Act, 1986. Compliance with discharge standards with respect to sewage and industrial effluent addresses pollution of both small and large rivers.

Annexure-I referred to in reply to parts (a) to (d) of Lok Sabha Unstarred Question No. 514 to be answered on Friday, the 20th July, 2018 on 'Conservation of Lakes and Rivers'.

State-Wise Polluted River Stretches

| S.No. | State Name | Stretch Identified | Number |
|-------|-----------------------------------|---|--------|
| 1 | Andhra Pradesh | Godavari, Hundri, Krishna, Tungabhadra, Pennar, Kundu | 6 |
| 2 | Assam | Mora Bharali, Barak, Beki, Bharalu, Bhogdoi, Boginadi, Brahamputra, Burhidihing, Deepar Bill, Dhansiri, Digboi, Disang, Jia Bharali, Jhanji, Kalong, Kapili, Kharsang, Kohora, Kundli, Kushiara, Manas, Pagdia, Panchnai, Ranga Nadi, Sankosh, Sonai, Subansiri, Kathakal | 28 |
| 3 | Bihar | Ganga, Harbora, Manusmar, Ram Rekha, Sirsia | 5 |
| 4 | Chhattisgarh | Hasdeo, Kelo, Kharoon, Mahanadi, Seonath | 5 |
| 5 | Daman, Diu and Dadra Nagar Haveli | Damanganga | 1 |
| 6 | Delhi | Yamuna | 1 |
| 7 | Goa | Mandovi, Assonora, Bicholim, Chapora, Khandepar, Mapusa, Sal, Valvant | 8 |
| 8 | Gujarat | Mahi, Narmada, Ambika, Amlakhadi, Anas, Balehwar Khadi, Bhadar, Damanganga, Kaveri, Khari, Kim, Kolak, Panam, Bhogavo, Dhadar, Purna, Sabarmati, Shedhi, Tapi, Triveni, | 20 |
| 9 | Haryana | Ghaggar, Yamuna | 2 |
| 10 | Himachal Pradesh | Beas, Tons, Sirsa, Swan, Sukhana, Suketi Khad, Binwa, Markanda | 8 |
| 11 | Jammu & Kashmir | Banganga, Basanter, Chenab, Chunt Kol, Dewak, Gawkadal, Jhelam, Lidder, Tawi | 9 |
| 12 | Jharkhand | Bokaro, Koel, Damodar, Jumar, Karo, Sankh, Subarnarekha, Koel | 8 |
| 13 | Karnataka | Arkavathi, Bhadra, Bhima, Cauvery, Ghatprabha, Kabini, Kagina, Kali, Krishna, Lakshmantirtha, Malaprabha, Manjira, Shimsha, Tungabhadra, Tungha | 15 |
| 14 | Kerala | Chitrapuzha, Kadambayar, Kallai, Karamana, Keecheri, Kuppam, Manimala, Neeleswaram, Periyar, Pullur, Puzhackal, Thirur, Uppala | 13 |
| 15 | Madhya Pradesh | Banjar, Betwa, Bichia, Chambal, Chillar, Denwa, Gohad, Gour, Jammer, Kalisot, Khan, Kolar, Kshipra, Kunda, Malei, Narmada, Parvati, Shivna, Tapi, Tons, Wainganga | 21 |
| 16 | Maharashtra | Wena, Wainganga, Godavari, Bhima, Krishna, Ulhas, Kundalika, Tapi, Girna, Panchganga, Nira, Bhatsa, Rangavali, Indrayani, Chandrabhaga, Vashisti, Mithi, Kanhan, Koyna, Amba, Amravati, Bindusara, Darna, Ghod, Gomai, Hiwara, Kan, | 49 |

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| | | Manjara, Mor, Morna, Mula, Mula- Mutha, Mutha, Panzara, Patalganga, Pawna, Pedhi, Pelhar, Penganga, Purna, Savitri, Sina, Surya, Urmodi, Vaitrana, Vel, Venna, Waghur, Wardha | |
| 17 | Manipur | Barak, Imphal, Iril, Khuga, Khujairok, Lokchao, Maha, Manipur, Nambul, Sekmai, Thoubal, Wangjing | 12 |
| 18 | Meghalaya | Bugi, Kynshi, Kyrhukhla, Lukha, Myntdu, Nonbah, Umkhrah, Umshyrpi, Umtrew, Wahblei | 10 |
| 19 | Nagaland | Chathe, Dhansiri, Dzu | 3 |
| 20 | Odisha | Baitrani, Brahamani, Budhabalnaga, Daya, Kathajodi, Koel, Kuakhai, Mahanadi, Nagavalli, Rushikulya, Serua, Vansadhara | 12 |
| 21 | Punjab | Ghaggar, Satluj | 2 |
| 22 | Rajasthan | Banas, Chambal, Chappi, Ghaggar, Kali Sindh, Parvati, Jawai, Ujad | 8 |
| 23 | Sikkim | Dikchu, Maney Khola, Rangit, Ranichu, Teesta | 5 |
| 24 | Tamil Nadu | Bhavani, Cauvery, Palar, Sarabanga, Tambirapani, Thirumanimuthar, Vasista | 7 |
| 25 | Telangana | Godavari, Krishna, Manjeera, Musi, Nakkavagu, Sabari, Maner | 7 |
| 26 | Tripura | Gumti, Haora | 2 |
| 27 | Uttar Pradesh | Betwa, Ghaghara, Gomti, Hindon, Kalinadi, Ramganga, Rapti, Rihand, Sai, Saryu, Ganga, Yamuna, Kosi | 13 |
| 28 | Uttarakhand | Bhela, Dhela, Suswa, Ganga, Kosi | 5 |
| 29 | West Bengal | Barakar, Churni, Damodar, Dwarakeshwar, Dwarka, Ganga, Jalangi, Kaljani, Kanshi, Karola, Mahananda, Mathabhanga, Mayurkashi, Rupnarayan, Silabati, Teesta, Vindhadhari | 17 |
| Total : | | | 302 |

Annexure-II

Annexure-II referred to in reply to parts (a) to (d) of Lok Sabha Unstarred Question No. 514 to be answered on Friday, the 20th July, 2018 on 'Conservation of Lakes and Rivers'.

State-wise status of lakes with regards to compliance to the Water Quality Criteria

| State | Complying | Non Complying |
|--------------------|-----------|---------------|
| Andhra Pradesh | 2 | - |
| Assam | - | 2 |
| Bihar | 1 | 1 |
| Chandigarh | - | 1 |
| Chhattisgarh | - | 1 |
| Goa | 1 | 7 |
| Gujarat | 2 | 18 |
| Haryana | 1 | 1 |
| Himachal Pradesh | 3 | 2 |
| Jammu & Kashmir | - | 4 |
| Jharkhand | 2 | 1 |
| Karnataka | - | 28 |
| Kerala | 6 | 10 |
| Madhya Pradesh | 12 | 4 |
| Manipur | - | 2 |
| Meghalaya | 2 | 2 |
| Odisha | 1 | 1 |
| Puducherry | 1 | 1 |
| Punjab | 2 | - |
| Rajasthan | 8 | 5 |
| Tamil Nadu | - | 8 |
| Telangana | - | 13 |
| Tripura | - | 3 |
| Uttar Pradesh | - | 2 |
| Uttarakhand | 2 | - |
| West Bengal | 1 | 7 |
| Grand Total | 47 | 124 |

Annexure-III

Annexure-III referred to in reply to parts (a) to (d) of Lok Sabha Unstarred Question No. 514 to be answered on Friday, the 20th July, 2018 on 'Conservation of Lakes and Rivers'.

State-wise details of rivers covered under National River Conservation Plan (NRCP)

| S. No. | State | Rivers covered | Funds released till date (Rs. crore) |
|--------------|----------------|---|---|
| 1 | Andhra Pradesh | Godavari | 259.80 |
| 2 | Telangana | Godavari & Musi | |
| 3 | Jharkhand | Subarnarekha | 4.26 |
| 4 | Gujarat | Sabarmati & Mindola | 333.26 |
| 5 | Goa | Mandovi, Sal | 12.26 |
| 6 | Karnataka | Tunga, Bhadra, Tungabhadra, Cauvery & Pennar | 47.83 |
| 7 | Maharashtra | Godavari, Tapi, Krishna, Panchganga & Mula Mutha. | 208.94 |
| 8 | Madhya Pradesh | Wainganga, Narmada & Tapti. | 12.46 |
| 9 | Odisha | Brahmini, Mahanadi & Coastal area (Puri town) | 63.40 |
| 10 | Punjab | Ghaggar, Beas & Satluj | 516.16 |
| 11 | Tamil Nadu | Adyar, Cooum, Vaigai, Vennar, Cauvery & Tamrabarani | 623.65 |
| 12 | Kerala | Pamba | 7.78 |
| 13 | Sikkim | Rani Chu | 144.42 |
| 14 | Nagaland | Diphu and Dhansiri | 24.50 |
| Total | | | 2258.72 |

Annexure-IV

Annexure-IV referred to in reply to parts (a) to (d) of Lok Sabha Unstarred Question No. 514 to be answered on Friday, the 20th July, 2018 on 'Conservation of Lakes and Rivers'.

State-wise details of funds released for wetlands and lakes under NPCA

| (Rs. in Lakhs) | | | |
|----------------|------------------|--------------------------------|--------------------------|
| S. No. | State | Lake/Wetland | Funds released till date |
| 1. | Andhra Pradesh | Kolleru | 249.569 |
| 2. | Assam | Deepar Beel | 362.00 |
| 3. | Bihar | Moti Jheel, Motihari | 329.9 |
| | | Kabar | 31.34 |
| | | Barilla | 20.864 |
| | | Kusheshwar Asthan | 25.96 |
| | | Sub total | 408.064 |
| 4. | Gujarat | Nalsarovar | 305.22 |
| | | Thol Bird Sanctuary | 98.32 |
| | | Khijadiya Bird Sanctuary | 83.465 |
| | | Pariej | 122.7725 |
| | | Wadhvana | 109.175 |
| | | Nanikakrad | 18.00 |
| | | Sub total | 736.9525 |
| 5. | Haryana | Sultanpur | 311.595 |
| | | Bhindawas | 232.73 |
| | | Sub total | 544.325 |
| 6. | Himachal Pradesh | Renuka | 259.924 |
| | | Pong Dam | 314.055 |
| | | Chandratal | 46.758 |
| | | Rewalsar | 54.51 |
| | | Khajjiar | 61.00 |
| | | Sub total | 736.247 |
| 7. | J&K | Dal Lake, Srinagar | 28,585.00 |
| | | Wullar | 318.215 |
| | | Tso Morari | 173.61 |
| | | Tisgul Tso & Chisul Marshes | 41.06 |
| | | Hokersar | 103.84 |
| | | Mansar-Surinsar | 270.507 |
| | | Pangong Tsar | 100.28 |
| | | Sub total | 29,592.512 |
| 8. | Karnataka | Vengaihnkere Lake in Bangalore | 144 |
| | | Nagvara lake in Bangalore | 304 |
| | | Jarganahalli Lake in Bangalore | 235 |
| | | Kotekere lake, Belgaum | 395 |
| | | Bhishma lake in Gadag | 158 |
| | | Lal Bagh in Bangalore | 116 |

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| | | Sharanbhasveshwara lake in Gulbarga | 335 |
| | | Akkamahadevi lake in Haveri | 162.4 |
| | | Kundawada lake, Davangere | 235 |
| | | Kote Tavarekere lake, Chikmagalur | 213.7 |
| | | Tripuranthkeshwar lake, Bidar | 302 |
| | | Bellandur lake in Bangalore | 263 |
| | | Channapatna lake in Hasan. | 297 |
| | | Gowramma lake at Magadi town in Bangalore Rural | 260 |
| | | Hombalamma lakes at Magadi town in Bangalore | |
| | | Amanikere Lake, Tumkur | 734 |
| | | Magadhi | 57.40 |
| | | Gudavi Bird Sanctuary | 73.997 |
| | | Bonal | 36.222 |
| | | Hidkal & Ghataprabha | 17.34 |
| | | Ranganthittu | 32.85 |
| | | Sub Total | 4,371.909 |
| 9. | Kerala | Veli Akkulum lake, Thiruvananthapuram | 430 |
| | | Ashtamudi | 184.042 |
| | | Sasthamkotta | 88.855 |
| | | Kottuli | 60.00 |
| | | Vembnad Kol | 84.45 |
| | | Kuttanad | 69.925 |
| | | Sub Total | 917.272 |
| 10. | Madhya Pradesh | Rani talab, Rewa | 218 |
| | | Sagar lake, Sagar | 400 |
| | | Shivpuri lakes, Shivpuri | 2715 |
| | | Sindhsagar lake, Ashoknagar | 250 |
| | | Barna | 5.00 |
| | | Yashwant Sagar | 5.00 |
| | | Ghatigaon | 8.00 |
| | | Ratapani | 29.48 |
| | | Sakhyasagar | 91.83 |
| | | Sirpur | 157.40 |
| | | Sub Total | 3,879.71 |
| 11. | Maharashtra | Powai lake, Mumbai | 470 |
| | | 9 lakes in Thane | 177 |
| | | (i) Rewale lake | |
| | | (ii) Jail lake | |
| | | (iii) Makhamali lake | |
| | | (iv) Kharegon lake | |
| | | (v) Kusa lake | |
| | | (vi) Upvan lake | |
| | | (vii) Kasaradawli lake | |
| | | (viii) Naar/oval lake | |
| | | (ix) Khidkali lake | |
| | | Mahalaxmi lake, Vadagaon | 129 |

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| | | Rankala lake, Kolhapur | 536 |
| | | Varhala Devi lake, Bhiwandi | 280 |
| | | Siddheshwar Lake, Solapur | 275.5 |
| | | Koradi Lake, Nagpur | 1,000 |
| | | Sub Total | 2,867.503 |
| 12. | Manipur | Loktak | 1,301.11 |
| 13. | Mizoram | Tamdil | 531.155 |
| | | Palak | 517.251 |
| | | Sub Total | 1,048.406 |
| 14. | Nagaland | Twin lakes in Mokokchung | 1,034 |
| 15. | Orissa | Bindu sagar lake, Bhubaneshwar | 221 |
| | | Chilika | 1,765.88 |
| | | Kanjia wetland | 30.68 |
| | | Daha wetland | 5.00 |
| | | Anusupa | 213.31 |
| | | Sub Total | 2,235.87 |
| 16. | Punjab | Harike | 493.06447 |
| | | Ropar | 271.645 |
| | | Kanjli | 167.541 |
| | | Nangal | 181.095 |
| | | Sub Total | 1,113.34547 |
| 17. | Rajasthan | Mansagar lake, Jaipur | 1,730 |
| | | Anasagar lake, Ajmer | 567.5 |
| | | Pushkar sarovar, Ajmer | 2,673 |
| | | Fatehsagar Lake, Udaipur | 2,733 |
| | | Pichola Lake System, Udaipur | 5,391 |
| | | Nakki lake, Mount Abu | 278 |
| | | Sambhar | 719.1575 |
| | | Sub Total | 14,091.6575 |
| 18. | Sikkim | Khechuperi Holy Lake | 218.273 |
| | | Phendang Wetland Complex | 64.95 |
| | | Gurudokmar Wetland | 103.53 |
| | | Tsomgo wetland | 68.76 |
| | | Tamzey | 159.787 |
| | | Sub Total | 615.3 |
| 19. | Tamilnadu | Ooty lake | 173 |
| | | Kodaikanal lake, Dindigul | 200 |
| | | Point Calimere | 508.6375 |
| | | Kaliveli | 474.3855 |
| | | Pallaikarni | 178.1545 |
| | | Sub Total | 1,534.1775 |
| 20. | Telangana | Banjara lake, Hyderabad | 270 |
| 21. | Tripura | (3 lakes of Agartala) (i) Dimasagar Lake (ii) Laxminarayanibari lake (iii) Durgabadi lake | 50 |
| | | Rudrasagar | 125.085 |
| | | Sub Total | 175.085 |
| 22. | Uttarakhand | (4 lakes in Nainital) | 1,117.5 |

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|-----|--------------------|--|-------------------|
| | | (i) Bhimtal lake (ii) Naukuchiatal lake (iii) Sattal lake (iv) Khurpatal lake | |
| | | Nainital Lake, Nainital | 3,093 |
| | | Ban Ganga Jhilmil Tal | 42.40 |
| | | Asan | 2.334 |
| | | Sub Total | 4,255.234 |
| 23. | Uttar Pradesh | Mansi Ganga lake, Govardhan | 1,472 |
| | | Ramgarh Tal, Gorakhpur | 8,420 |
| | | Laxmi Tal , Jhansi | 1,450 |
| | | Nawabganj | 145.785 |
| | | Sandi | 208.9425 |
| | | Lakh Bahoshi | 222.975 |
| | | Samaspur | 244.191 |
| | | Semarai Lake | 144.236 |
| | | Nagaria lake | |
| | | Keetham Lake | 138.735 |
| | | Shekha wetland | 56.638 |
| | | Saman Bird Sanctuary | 88.1495 |
| | | Sarsai Nawar | 133.39 |
| | | Patna Bird Sanctuary | 92.333 |
| | | Chandotal | 77.76 |
| | | Taal Bhaghel | 97.327 |
| | | Sub Total | 12,992.462 |
| 24 | West Bengal | Rabindra Sarovar | 400 |
| | | Mirik lake, Darjeeling | 100 |
| | | Adi Ganga, South 24 Parganas | 1,130 |
| | | Sahib bundh, Purulia | 510 |
| | | East Kolkata Wetland | 239.34 |
| | | Sunderbans | 1,162.70 |
| | | Ahiron Beel | 174.26 |
| | | Rasik Beel | 136.60 |
| | | Santragachi | 38.066 |
| | | Patlakhawa- Rasomati | 40.22 |
| | | Sub Total | 3,931.186 |
| 25 | Puducherry (UT) | Ousteri lake | 105.239 |
| | Grand Total | 89,369.14 (893.69 crores) | |