



## Major works taken-up under National River Conservation Plan

### Pollution Abatement of Rivers Satluj, Beas & Ghaggar in Punjab

Under Phase-I of NRCP, pollution abatement works in 6 towns namely Ludhiana, Jalandhar, Phagwara, Phillaur, Kapurthala and Sultanpur Lodhi amounting to Rs.215.71 crore were sanctioned for pollution abatement of rivers Satluj and Beas. Under these projects, 8 STPs having total capacity of 461.2 mld have been created in the above mentioned towns. These STPs are being maintained by the State Government agencies, as operation and maintenance of the assets created under NRCP is the responsibility of the concerned State Governments and their agencies.



3 STP at Moonak, Punjab

Under Phase-II of NRCP in Punjab, works for pollution abatement of rivers Satluj & Beas amounting to Rs. 501.61 crore in 11 towns have been sanctioned and the targeted STP capacity of 187 mld has been created. These towns are Banga, Bholath, Dasuya, Hoshiyarpur, Moga, Mukerian, Nawanshehar, Tanda as well as the Phase-I towns of Phagwara, Phillaur and Jalandhar. Projects amounting to Rs. 57.10 crore have also been sanctioned for pollution abatement of river Ghaggar in 4 towns, namely Patran, Moonak, Lehragaga and Khanauri and creation of 15 mld treatment capacity has been envisaged under these projects.

### Sabarmati River Conservation Project at Ahmedabad, Gujarat

For conservation of river Sabarmati in Ahmedabad, projects amounting to Rs. 365.01 crore were sanctioned under Phase-I of NRCP works. All the works sanctioned under this Phase stand completed and a total sewage treatment capacity of 232 mld has been created in 2 STPs alongwith other sewerage infrastructure facilities, including community toilet complexes at various locations in the town.

The ongoing Sabarmati River Conservation Project Phase-II at Ahmedabad has been sanctioned at a cost of Rs.444.44 crore. Under this phase, works related to laying of new sewers, strengthening/rehabilitation of the existing sewerage system, construction of sewage pumping stations and 4 STPs having a total treatment capacity of 210.5 mld is envisaged.



53 mld STP at Surat, Gujarat

### Pollution Abatement of River Mindhola at Surat, Gujarat

Under the project for 'Conservation of river Mindhola at Surat', works relating to sewerage networks, sewage pumping stations along with creation of sewage treatment capacity of 53 mld has been sanctioned at a cost of Rs.262.13 crore. The project is almost in the final stages of completion. Under the project, a STP of 53 mld has already been commissioned along with other sewerage infrastructure facilities and river front development works.

### Pollution abatement of river Devika & Tawi at Udhampur, Jammu and Kashmir

The Project of 'pollution abatement of river Devika & Tawi at Udhampur' was sanctioned in September, 2018 at an estimated cost of Rs.186.74 crore. The works taken up under the project include setting up of new STP of 13.06 mld capacity and allied sewerage works.

### Pollution abatement of river Cauvery in Tamil Nadu and Karnataka

For conservation of river Cauvery in Tamil Nadu, projects at a total sanctioned cost of Rs. 263.76 crore have been implemented in the 9 towns of Bhawani, Erode, Karur, Kumarpalayam, Kumbakunam, Mayladuthurai, Pallipalayam, Trichirappalli and Trichy, and a total STP capacity of 161.41 mld has been created in these towns.

Similarly, projects amounting to Rs. 5.34 crore in the towns of Krishna Raja Nagar, Kollegal, Nanjangud and Srirangapatna have been implemented in Karnataka for pollution abatement of river Cauvery. A total STP capacity of 7.62 mld has already been created.

### Pollution Abatement of River Godavari in Maharashtra, Telangana and Andhra Pradesh

Under NRCP, financial assistance was provided to Government of Maharashtra in the towns of Nasik, Nanded and Trimbakeshwar for taking up pollution abatement of river Godavari. Projects amounting to Rs. 86.82 crore have been sanctioned and a total sewage treatment capacity of 127 mld has been created in the 3 towns along with other works such as construction of community toilet complexes, crematoria and river front development.

In Telangana and Andhra Pradesh, for conservation and pollution abatement of river Godavari at Bhadrachalam, Mancherial, Rajahmundry and Ramagundam, projects pertaining to interception & diversion of sewage, creation of sewage treatment plants, improved wood crematoria, riverfront development, afforestation etc. have been implemented at a sanctioned cost of Rs. 31.84 crore. Total sewage treatment capacity of 58.46 mld has been created in these towns under the sanctioned projects.

### Pollution Abatement of River Musi in Telangana

For pollution abatement of Musi river at Hyderabad, schemes pertaining to interception & diversion of sewage and sewage treatment plants have been implemented at a sanctioned cost of Rs. 335.66 crore. Total sewage treatment capacity of 592 mld has been created at Hyderabad under the plan in 6 STPs along with other related works. It is mentioned that one of the biggest STP of the country having treatment capacity of 339 mld based on Upflow Anaerobic Sludge Blanket (UASB) technology was constructed under NRCP at Hyderabad under this scheme.

### Pollution Abatement of Rivers Adyar and Cooum in Tamil Nadu

For pollution abatement of river Adyar and Cooum at Chennai, schemes pertaining to interception & diversion of sewage and setting up of STPs have been implemented at a sanctioned cost of Rs. 404.25 crore. Total sewage treatment capacity of 264 mld has been created at Chennai under the programme.

### Pollution Abatement of River Pamba in Kerala

For pollution abatement of river Pamba in Kerala a project amounting to Rs. 18.45 crore stands sanctioned, under which works pertaining to interception & diversion of sewage, STPs, low-cost sanitation, bathing ghats, solid waste management and public awareness & participation have been taken up. An STP having capacity of 4.5 mld has been created at Sabrimala under this project.

### Pollution Abatement of Rivers in Odisha and Coastal area of Puri, Odisha

For pollution abatement of rivers Mahanadi and Brahamini in the towns of Cuttack, Talcher, Chandbali and Dharamshala, projects at a total cost of Rs. 12.29 crore stand sanctioned under NRCP. The works sanctioned under the project pertain to interception & diversion of sewage, sewage treatment plants (STPs), low-cost sanitation, bathing ghats and improved wood crematoria. Sewage treatment capacity of 33mld in Cuttack has also been created, apart from other municipal infrastructure works.



15 mld STP at Puri, Odisha

For pollution abatement of coastal area in the town of Puri, a project amounting to Rs. 80.45 crore has been sanctioned under NRCP. Under the project, intermediate pumping stations, sewerage system and construction of a STP having capacity of 15 mld along with main pumping station were sanctioned. All these works, including the STP have been completed and commissioned. The commissioning of these works sanctioned under the project has helped in prevention of pollution of the sea and beaches at Puri.

### Pollution Abatement of River Mula-Mutha at Pune, Maharashtra

The project of “Pollution abatement of River Mula- Mutha at Pune” has been sanctioned in January, 2016 at a cost of Rs.990.26 crore. Loan assistance of 19.064 billion yen is being provided by Japan International Cooperation Agency (JICA) for the project. The project cost will be shared between Govt. of India and State Government/Pune Municipal Corporation (PMC), the implementing agency for the project, in 85:15 ratio respectively. The project is scheduled for completion by January, 2022.

The major components proposed under the project include construction of 11 new Sewage Treatment Plants (STPs) which will result in creation of additional treatment capacity of 396 mld (over & above the existing treatment capacity of 477 mld), laying of 113.6 kms of sewer lines and renovation/rehabilitation of 4 existing intermediate pumping stations. On completion of the project, the total STP capacity available in Pune would be 873 mld, which would be sufficient to cater to sewage generation for the year 2027. The project also includes installation of Central Supervisory Control and Data Acquisition (SCADA) system for centralized monitoring of functioning of STPs, construction of 24 units of community toilet facilities in slum and fringe areas, public participation and awareness programme, GIS mapping of sewerage facilities for better asset management, etc. Funds amounting to Rs. 25.99 crore have been released to the State Government for the project, so far.

### Pollution Abatement of river Krishna at Sangli and river Panchganga at Kolhapur, Maharashtra

For pollution abatement of river Krishna at Sangli, works amounting to Rs. 25.55 crore were sanctioned under NRCP. Under the sanctioned schemes works pertaining to interception and diversion of sewage, laying of sewer lines, construction of intermediate pumping stations and construction of sewage treatment plant having treatment capacity of 27 mld were implemented and commissioned. All these works are being maintained by the State Government.

Similarly, a scheme for pollution abatement of river Panchganga at Kolhapur has also been sanctioned under NRCP at a cost of Rs. 74.29 crore. A sewage treatment plant having capacity of 76 mld along with other sewerage works have been sanctioned. The STP has been completed and commissioned. However, some part of sewer laying works is still under implementation.

## ***National River Conservation Plan works in North Eastern States:***

### **Sikkim**

Under NRCP, 7 projects were sanctioned for conservation and pollution abatement of river Rani Chu in Sikkim at a cost of Rs. 181.09 crore in 3 towns of Gangtok, Ranipool and Singtam. The works sanctioned under the projects pertain to interception & diversion of sewage, sewage treatment plants, rehabilitation of sewer mains, low-cost sanitation, river front development and improved wood crematoria. Sewage treatment capacity of 20.06 mld is envisaged to be created in these towns. Works on 6 projects have been completed and 18.52 mld sewage treatment capacity has been created so far.



Sewer laying works under NRCP in Gangtok, Sikkim

### **Nagaland**

For pollution abatement of rivers Diphu and Dhansiri at Dimapur, Nagaland, works have been sanctioned under NRCP at an estimated cost of Rs.82.80 crore. The works envisaged under the project pertain to construction of sewage treatment plant having treatment capacity of 25.43 mld and other allied sewerage works, low-cost sanitation, afforestation, etc. The scheme is presently under implementation.