

## Central Pollution Control Board, Delhi

### Japanese Debt Relief Grant Assistance Project

The Central Pollution Control Board (CPCB) is a statutory organization under the aegis of Ministry of Environment & Forests (MoEF), Govt. of India. The Central Pollution Control Board serves as an apex organization in the country, as technical wing of MoEF and provides technical assistance to the State Pollution Control Boards, Pollution Control Committees for implementation of the provisions of various pollution control legislations in the country.

#### 1.0 FUNCTIONS OF CENTRAL POLLUTION CONTROL BOARD (CPCB)

The functions of CPCB as spelt out in The Water (Prevention and Control of Pollution) Act, 1974 and The Air (Prevention and Control of Pollution) Act, 1981 are to promote cleanliness of wells and streams in different areas of the States by prevention and control of water pollution; and to improve the quality of air and to prevent, control or abate air pollution in the country.

The Central Board carries out functions at two levels: (i) as Central Board at the National level; and (ii) as State Board for the Union Territories.

##### ***National Level Functions***

- Advise the Central Government on any matter concerning the prevention and control of water and air pollution and the improvement of the quality of air;
- Plan and execute a nation-wide programme for the prevention, control or abatement of water and air pollution;
- Coordinate the activities of the State Boards and resolve disputes among them, provide technical assistance and guidance to the State Boards, carry out and sponsor investigation and research relating to problems of water and air pollution and for their prevention, control or abatement;
- Plan and organize training of persons engaged in programmes for prevention, control or abatement of water and air pollution;
- Organize through mass media, a comprehensive mass awareness programme on the prevention, control or abatement of water and air pollution;
- Collect, compile and publish technical and statistical data relating to water and air pollution and the measures devised for their effective prevention, control or abatement, prepare manuals, codes and guides relating to treatment and disposal of sewage and trade effluents as well as for stack gas cleaning devices, stacks and ducts;
- Disseminate information in respect of matters relating to water and air pollution and their prevention and control;
- Lay down, modify or annul, in consultation with the state governments concerned, the standards for stream or well and lay down standards for the quality of air;
- Perform such other functions as may be prescribed by the Government of India.

##### ***Functions as State Board for the Union Territories***

- Advise the Governments of Union Territories with respect to the suitability of any premises or location for carrying on any industry which is likely to pollute a stream or well or cause air pollution;
- Lay down standards for treatment of sewage and trade effluents and for emissions from automobiles, industrial plants, and any other polluting source;
- Evolve efficient methods for disposal of sewage and trade effluent on land;
- Develop reliable and economically viable methods of treatment of sewage and trade effluent and air pollution control equipment;

- Identify any area or areas within Union Territories as air pollution control area or areas to be notified under the Air (Prevention and Control of Pollution) Act, 1981;
- Assess the quality of environmental water and ambient air and inspect wastewater treatment installations, air pollution control equipment, industrial plants or manufacturing processes to evaluate their performance and to take steps for the prevention, control and abatement of air and water pollution.

## **2.0 MANDATES OF CENTRAL POLLUTION CONTROL BOARD (CPCB)**

The Central Pollution Control Board has been continuously playing key role in controlling pollution by generating relevant data, providing scientific information, rendering technical inputs for formulation of national policies and programme and training and development of manpower through bilateral programmes. The Central Pollution Control Board has been providing major thrust to environmental surveillance work for pollution control in polluting industries in the country, restoration of environmental quality in problem areas / polluted river stretches, strengthening of monitoring capabilities for water and ambient air quality monitoring, toxic pollutants, monitoring of aquatic resources, management of municipal solid waste, biomedical waste, hazardous waste and monitoring of specific pollutants such as RSPM, BTX, PAH, PCB's etc.

The Central Pollution Control Board implements the policies and decisions for prevention and control of water & air pollution through its headquarters, Regional Offices and Sectional Offices. The coordination and liaison of activities of SPCB's in a nation wide programme are executed through six zonal offices of Central Pollution Control Board - North Zonal Office at Kanpur (Uttar Pradesh); East Zonal Office at Kolkata (West Bengal); North-East Zonal Office at Shillong (Meghalaya); Central Zonal Office at Bhopal (M.P.); Western Zonal Office at Vadodara (Gujarat) and South Zonal Office at Bangalore (Karnataka).

## **3.0 CENTRAL POLLUTIN CONTROL BOARD (CPCB) LABORATORIES**

The upkeep of competent laboratory with adequate instrumentation, equipments, expertise capabilities etc. are utmost necessary for successful implementation of environmental protection programme, to identify and quantify the pollution sources, conduct baseline surveys and to build up monitoring systems. As such, the CPCB laboratories play an important role in assessing the status of environment comprising both abiotic (soil, water and air) and biotic components (flora, fauna and human being). The major functions of CPCB laboratories are as below:

- Analysis of various parameters for routine & specific monitoring activities environmental auditing studies in the field of environment and pollution control.
- Supporting services for various research & development and project studies with regard to sampling and analysis of various parameters.
- Carryout research and development project studies and work related to development of Environmental standards.
- Standardization of new methodologies for analysis of specific pollutants.
- Collection of technical literature and specifications for various instruments and equipments.
- Providing scientific training and laboratory related services to state pollution control boards and other organizations.
- Conducting analytical quality control (AQC) exercises for central and regional laboratories of state pollution control boards and other organizations.
- Carryout bilateral collaborative project studies with other countries as well as various institutes within the country.
- Providing scientific related services for the purpose of mass awareness.
- Research and development activities related to pollution assessment and control technique.

#### **4.0 CAPACITY BUILDING & STRENGTHENING OF CPCB LABORATORIES UNDER JAPANESE DEBT RELIEF GRANT ASSISTANCE**

The Central Laboratory and Zonal Laboratories at Zonal Offices of CPCB are regularly strengthened in terms of instruments, equipments, expertise and technical capabilities under various national and international bilateral programmes.

Under Japanese Debt Relief Grant Assistance, the laboratory infrastructure particularly instrumentation have been strengthened further at CPCB HQ Laboratories as well as CPCB Zonal Office Laboratories for Capacity Building in relation to enforcement and compliance of pollution abatement and control strategies in the country. The Instrumentation and Equipments procured under the grant for CPCB HQs laboratories and CPCB Zonal Office Laboratories under Japanese Debt Relief Grant Assistance by Department of Economic Affairs, Ministry of Finance, Govt. of India. is presented in Table for consideration