

Functions of the Board

Activities of the Board

Activities related to the consolidated consents/authorizations under the Water Act, the Air Act, Hazardous Wastes Rules, Bio-medical Wastes Rules, MSW Rules etc, Consent- to- Establish [also known as No-Objection Certificates] and registration under Plastic waste rules, hazardous waste rules, etc.

GENERAL FUNCTIONS OF THE STATE BOARD.

- (a) To plan a comprehensive programme for the prevention, control or abatement of pollution of streams and wells in the state and to secure the execution thereof;
- (b) To advise the State Government on any matter concerning the prevention, control or abatement of water pollution;
- (c) To collect and disseminate information relating to water pollution and the prevention, control or abatement thereof;
- (d) To encourage, conduct and participate in investigations and research relating to problems of water pollution and prevention, control or abatement of water pollution;
- (e) To collaborate with the Central Board in organizing the training of persons engaged or to be engaged in programmers relating to prevention, control or abatement of water pollution and to organize mass education programmers relating thereto;

- (f) To inspect sewage or trade effluents, works and plants for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by this Act;
- (g) Lay down, modify or annul effluent standards for the sewage and trade effluents and for the quality of receiving waters (not being water in an inter - state stream) resulting from the discharge of effluents and to classify waters of the state;
- (h) To evolve economical and reliable methods of treatment of sewage and trade effluents, with regard to the peculiar conditions of soils, climate and water resources of different regions and more especially the prevailing flow characteristic of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- (i) To evolve methods of utilization of sewage and suitable trade effluents in agriculture;
- (j) To evolve efficient methods of disposal of sewage and trade effluents on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution;
- (k) To lay down standards of treatment of sewage and trade effluents to be discharged into any particular stream taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents;
- (l) To make, vary or revoke any order -
 - (i) For the prevention, control or abatement of discharge of waste into streams or wells.

- (ii) Requiring any person concerned to construct new systems for the disposal of sewage and trade effluents or to modify, alter or extend any such existing system or to adopt such remedial measures as are necessary to prevent control or abate water pollution.
- (m) To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both and to lay down, modify or a nullify effluent standards for the sewage and trade effluents;
- (n) To advice the State Government with respect to the location of any industry the carrying on of which is likely to pollute a stream or well.
- (o) To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the Central Board or the State Government.
- (2) The Board may establish or recognize a laboratory or laboratories to enable the Board to perform its functions under this section efficiently, including the analysis of samples of water from any stream or well or of samples of any sewage or trade effluents

SPECIFIC WORK OF STATE BOARD IN THE RECENT PAST

1. Comprehensive Environmental Pollution Index (CEPI) :

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The Central Pollution Control Board and I.I.T, Delhi have jointly surveyed the Industrial clusters of the country and prepared a Comprehensive Environmental Pollution Index (CEPI). The Environment and Forest Department, Govt. Of India on the basis of the said CEPI declared Dhanbad as a critically polluted area vide his office Memorandum No.J-11013/5/2010-IA.II (I), dated 13th January 2010.

The Environment and Forest Department, Govt. Of India vide his office Memorandum No, J-11013/5/2010-IA.II(I), dated 15th

March 2010 has identified four blocks of Dhanbad district i.e. Sadar (Dhanbad Municipality), Jharia (Jharia Municipality, Sindri Industrial Area), Govindpur (Govindpur Industrial Estate) and Nirsa as critically polluted Zone.

The Jharkhand State Pollution Control Board has prepared the Action plan for the industrial clusters of Dhanbad and sent it to the Central Pollution Control Board.

The Action plan comprises of mitigating the pollution issues of coal mines, washeries, Refractories, hard coke/soft coke plants, Crushers, Sponge iron plants, thermal power plants etc.

Jharkhand State Pollution Control Board vide its letter no - B-3237, dated 30-11- 2012 recently vide letter no-B-4966 dated 03.09.2013 requested the Central Pollution Control Board, Delhi for lifting the moratorium from Dhanbad industrial cluster in view of the study carried out by the official of CPCB between Oct 8 to 10, 2012. In the light of this moratorium imposed for the industries was lifted by MoEF vide letter No.- J-11013/5/2010-1A.ii I dated 17.09.2013.

- 2) **Bee Hive Coke Oven Plants** - In order to check air pollution due to Bee hive coke oven plants, instruction were issued to all such plants and suitable air pollution device were installed in all the plants. Again instruction has also been issued to install bag filter in all coal crushing sections within stipulated time frame.

- 3) **Barajamda (West Singhbhum)** - The area was declared as severely polluted area having pollution index of 64.67%. About 140 iron ore crusher units were established in Barajamda, Manoharpur area and subsequently the RSPM level had increased considerably. Later with the association of experts from IIT, NEERI, CPCB and Board officials, the pollution standard was fixed for fugitive emission and stack emission, and all iron ore crusher units were directed to install suitable pollution control device. It has led to considerable reduction in RSPM level of the area.

- 4) Jharkhand State Pollution Control Board issued a Notification for standards of Primary and Secondary crushers for iron Ore crushers in the light of Hon'ble Jharkhand High court order in WP(C) 3277/2011 Sri Ram Metallic and others vs Union of India and others vide Notification no-11 dated 12.04.2012.
- 5) Online monitoring station installed in all major Sponge Iron Plants, Cement Plants.
- 6) Establishment of online monitoring station in all other plants like Cement plant, power plant etc is in progress.
- 7) Continuous real time ambient air quality monitoring , monitoring station has been installed at Van Bhawan Doranda Ranchi, ACC, Sindri, AB Chemical Rehla, Garhwa and at ACC Plant Jhinkpani in Dist- West Singhbhum and Jharia,Dhanbad.
- 8) ACC Jhinkpani cement plant has been given authorization by the State Board for co- processing of different types of Hazardous Wastes and during the year 2012, the unit has incinerated 2263 MT of hazardous waste & 11,431MT of non hazardous waste.
- 9) All Regional Office & Head Office Ranchi are linked through intranet.
- 10) Draft of Jharkhand State Action Plan on climate change is uploaded in website of Jharkhand Govt. i.e on **[www.jharkhand.gov.in /New_Depts/pcb/pcb_f r.html](http://www.jharkhand.gov.in/New_Depts/pcb/pcb_fr.html)** for obtaining the opinion from public.
- 11) That it is stated that at present in the State of Jharkhand there is one common Bio Medical waste facility having

incineration capacity of 100kg/hr.

12) The Consent period of different category of industries which was for 1 year, has been enhanced from 1 year upto 5 year for different category of industries and power has been delegated to R.O for granting renewal consent to stone mines, brick kiln and small scale industries vide Notification no-09 dated 15.03.2012.

13) Jharkhand State Pollution Control Board took steps for installation of Effluent Treatment Plant in all rice mills at Ranchi The mills have already installed ETP. Steps have been taken all over the state for installation of ETP in rice mill in fixed time frame.

14) For facilitating the projects of Central Govt./State Govt. like widening of road, NH, SH, Construction of railway projects etc, the siting criteria has been relaxed vide Board's Notification no 07 date 02-03-2013.

Recently the Board **has started online Consent Management & Monitoring System (OCMMS) for empowering the industrial establishments and easing the Business under "Ease of doing Business"**

Some of the major initiatives include:

- **Online Consent Management and Monitoring System:**

Realizing the power of technology, JSPCB decided to transform its way of working and automate all its processes, allowing applicants to apply for NOCs online without the need for a physical touch point for payment, document submission and

verification. Currently, the complete process- from online application, to payment to certificate issuance is online. The board also sends SMS alerts related with any clarification, show cause, grant or rejection of the applications related to CTE/CTO.

- **Functionality of online fee calculation**

To reduce subjectivity and bring in more transparency, JSPCB introduced online fee calculation system which informs the applicant of the requisite fee for his industry requirement.

- **Differentiated inspection requirements as per industry categorization (Red, Amber, and Green)**

JSPCB has reduced the frequency of inspection of industries to two years for red category, three years for Orange-high risk, five years for orange low risk and once in fifteen years for green category of industries.

- **Clear timelines defined for approval of applications**

Timelines for issuance of CTE as well as CTO have been reduced drastically. From 120 days, the timeline for CTE is down to 69 days of all categories of industries. For CTO, the timeline has been reduced to 30 days for Green category, 40 days for orange category and 69 days for red category of industries.

- Apart from white category of industries, JSPCB has exempted photovoltaic industry as well as Green industries with investment below Rs. 50 Lakhs from Pollution Control Board clearances

- JSPCB has been maintaining an online register for various environment/pollution related acts. Physical/offline register is no longer used.

- Provision for auto-renewal of Consent to Operate based on self-certification for green and orange category of industries

- Provision for auto-renewal of Consent to Establish based on self-certification for all industries

- Consent to Operate provided for a period of 5 years for Red Category of industries, 10 years for Orange category of industries and 15 years for Green category of industries
- Consent to Establish licences provided for a period of 5 years
- Provision for downloading final 'digitally signed' approval certificates from the portal
- Conducting surprise inspections only based on complaints received with specific permission from the Head of Department
- Mandated that the same inspector will not inspect the same establishment twice consecutively
- Mandated online submission of inspection report within 48 hours to the Department
- Procedure and comprehensive list of all documents that need to be provided are available on the web site for all services
- Well-defined inspection procedure and checklist is available on department's web site
- Integrated all services of Pollution Control Board with Jharkhand's Single Window portal – www.advantage.jharkhand.gov.in
- Provision allowing third parties to easily verify approval certificates in the public domain
- Provision for Computerized (random) allocation of inspectors
- Allowing users to view and download submitted inspection reports on their businesses
- Computerized risk assessment for identifying establishments that need to be inspected
- Allowed third party certifications for Orange High risk category of industries by empanelling multiple vendors of Jharkhand

Many FIRSTs of JSPCB

- JSPCB has recently launched an android based mobile application (Jh OCMMS) that is available in Google play Store free of cost. Jharkhand is the first state in the country to launch this mobile app to update industrialists on their status of application as well as download digitally signed certificates on their mobile phones itself.
- JSPCB was the first board in India to develop full-fledged inspection module. The mechanism developed by JSPCB has been shared by NIC with many other states across India, many of whom have adopted JSPCB's mechanism with slight customization based on state's provisions. The inspection module includes computerized (random) allocation of inspectors, computerized risk based assessment (based on various parameters such as category of industries, time elapsed since date of inspection, previous compliance status), submission of typed inspection reports within 48 hours etc.
- JSPCB is the first board in India to make publically available dashboards such 'Consent applications under process', 'consent granted applications, rejected applications and waste management granted applications as well as inspection reports of industries. All these dashboards also reflect the time taken to process/dispose-off applications. Certificates of approved applications can also be viewed and downloaded in public domain

Currently, no application is accepted offline by JSPCB. Also, the complete processing of applications is done online by all the officers. Whether the application needs to be forwarded to another officer after a 'noting' or a clarification is to be sought from applicant, each and every step is completely online. JSPCB is now working towards the concept of a completely paperless office.

Introduction of online systems has completely revolutionized the way business is conducted at JSPCB. Not only has it eased the process for the applicant, it is led to increased application

disposal rate by officers and made JSPCB officials more responsible since all information is shown in public domain.