

PARIBESH SAMACHAR

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July - December, 2020

From the Desk of Chairman

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MESSAGE



I am glad to know that **State Pollution Control Board (SPCB)** is bringing out its quarterly Newsletter *Paribesh Samachar* for July-December, 2020 containing a comprehensive snap of its activities for wider diffusion and sensitization.

Prevention and control of pollution have assumed world-wide urgency for human health and sustainable development. The economic, social and technological contours of pollution have posed formidable challenges both for the developed and developing nations. Pollution is created by the emissions, discharges and waste generated from irrational and unscientific use of the resources. Again it takes resources to remove pollution, which in its turn generates 'residues'. More resources are again required for appropriate disposal of the 'residues'. So the cycle goes on. As such, prevention and reduction are the best means of pollution containment. It needs a comprehensive strategy with ground level enforcement and wider sensitization.

As a significant step in this direction, SPCB, Odisha is implementing National Clean Air Programme (NCAP) in seven pollution prone cities/industrial areas of the State namely Angul, Balasore, Bhubaneswar, Cuttack, Kalinga Nagar, Rourkela and Talcher. The **Mission** is to bring down the level of particulate matter in the air by 20-30% compared to 2017 level in a time bound manner. SPCB has also developed a mobile application named (Paryavaran Abang Vayu Asudhata Niyantaran (PAVAN) to collect citizens' feedback on non-attainment of the pollution norms.

Odisha as a leading State in 'climate change action plan' has been mindful of pollution control in a number of ways. 'Waste to wealth' is uppermost in Government agenda. I hope, SPCB as a statutory regulatory body will champion this cause and will scale up its efforts to make the **Mission** a success.

(Suresh Chandra Mahapatra)



STATE POLLUTION CONTROL BOARD, ODISHA

PARIBESH BHAWAN, A/118, NILAKANTHA NAGAR, UNIT-VIII,

BHUBANESWAR - 751012

From the Desk of Member Secretary ...



Sharp decline in economic, industrial and developmental activities at global as well as national level during COVID-19 pandemic situation has given a great opportunity to the entire eco-system and its rich bio-diversity to rejuvenate back to a state of pollution free pristine quality. Now, to bring back the economy on track, accelerated human activities are imminent, which poses a strong challenge upon all concerned to take appropriate action for prevention of pollution, conservation of eco-system so that the environmental advantage so gained is sustained on long term.

The natural water bodies especially the major rivers which constitute a very important segment of the eco-system have been under the stress of pollution. In pursuance to the orders of Hon'ble NGT, 19 nos. of polluted river stretches in the State of Odisha have been identified and the State Govt. has to take appropriate steps to prevent pollution of river water, for which River Rejuvenation Committee (RRC) has been constituted.

As the Regulatory Body for prevention and control of pollution in the State, SPCB has taken no stone unturned to execute the action plans drawn up for the purpose. Major activities include survey of wastewater drains discharging to Gangua, diversion of river water from Daya West canal to Gangua during lean period, stop discharge of wastewater of Cuttack city to Khathajodi river through Khannagar sluice gate post renovation of 36 MLD STP at Mattagajpur. Actions undertaken for rejuvenation of polluted river stretches are being reviewed by the Central Monitoring Committee constituted by the Hon'ble NGT (on the matter of OA 673 of 2018).

I wish, this newsletter, besides presenting a comprehensive report of all activities of the Board will also help in sensitizing all stakeholders to contribute their bit towards accomplishing the task assigned upon the state towards ensuring a cleaner environment.

Dr. K. Murugesan, IFS

ACTIVITIES OF THE BOARD

CELEBRATIONS

The State Pollution Control Board, Odisha could not observe its 37th Foundation Day, International Coastal Clean-up Day and National Pollution Prevention Day due to the current pandemic COVID-19 situation. The regular celebration / observation activities like debate / quiz / rally / seminar / painting and essay competition etc. among students of different schools / colleges were not organized. However, awareness meetings involving different organizations through video conferencing were organized.

Board Meeting

121st and 122nd Board Meetings of the State Pollution Control Board, Odisha were held on 15th Oct. 2020 and 10th Dec. 2020 under the chairmanship of Sri Asit Tripathy, IAS and Chairman, State Pollution Control Board, Odisha.

Important decisions taken in the 121st Board meeting:

- ◆ The Board approved the proposal towards establishment of 15 nos. of additional Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in different air pollution prone cities in the districts of Cuttack, Balasore, Keonjhar, Sundargarh, Mayurbhanj, Angul and in the capital city of Bhubaneswar.
- ◆ The Board approved the proposal for the project work on "Development of Geo Data base for Environmental Mapping and Web Based GIS application in critically polluted areas in Odisha".
- ◆ The Board approved the re-constitution of Technical Committee for issue of "No increase in Pollution Load Certificate" for changes in plant configuration and product mix for the project.
- ◆ Revised Auto-renewal mechanism for Consent to Operate based on self-certification was approved by the Board.
- ◆ The Board approved the proposal of policy decision for applicability of consent of the Board for Extraction or Sourcing or Burrowing of ordinary earth for the linear projects such as roads, pipelines etc.
- ◆ The Board approved fund allocation for research project of State Pollution Control Board, Odisha.

Important decisions taken in the 122nd Board meeting:

- ◆ The Board approved the proposal to extend GIS based Geo Database to the whole State of Odisha.
- ◆ The Board approved the proposal for Development of Air Quality Data Management Centre in the Head Office in respect of different districts and cities of Odisha.

Activity of Integrated Coastal Zone Management (ICZM)

Coastal Water (Paradeep to Dhamara) Monitoring and Analysis.

The assigned monitoring area is from Paradeep to Dhamara coast covering nearly 80km. along the sea. Total seventy three (73) sampling locations have been selected for the entire monitoring area, out of which 32 are along Mahanadi transect, 17 in Dhamara transect and 24 in Gahirmatha-Bhitarkanika transect. Sampling was made from on-shore and few off-shore sampling points with the help of monitoring vessel **MV Sagar Utkal**. Parameters analysed for the water samples include pH, Conductivity, Total Suspended Solid, Total Dissolved solid, Turbidity, Fluoride, Dissolved Oxygen, Biochemical Oxygen Demand, Alkalinity, Salinity, Nitrite, Nitrate, Ammonia, Silicate, Ortho-phosphate, Total Organic Carbon, Total Inorganic Carbon, Heavy metals (V, Cr, Mn, Fe, Co,

Ni, Cu, Zn, As, Mo, Pb, Cd, Hg), Poly Aromatic Hydrocroban, Pesticides, Total Coliform, Fecal Coliform, Chlorophyll-a, Chlorophyll-b, Chlorophyll-c, Total Chlorophyll, Phaeophytin pigment, Carotenoid, Phytoplankton and Zooplankton. Parameters that are analysed for the sediment samples include pH, Total Organic Carbon, Total Inorganic Carbon, Heavy metals, composition of sediment (sand, silt and clay), Macro Benthos and Meio Benthos. In total 1948 water samples and 62 sediment samples have been collected and analyzed during the reporting period.



Sample collection by ICZM Team

Real Time Data Acquisition System (RTDAS)

The Board has implemented GPRS based real time data acquisition system with Y-Cable for online stack, ambient air quality and waste water monitoring network round the clock for highly polluting large scale industries and mines in order to keep the regulator and industries alert. So far online monitoring and data acquisition systems have been installed in 152 industries and 24 mines in the State.

Public Hearing

The Board conducted 22 public hearings for major industrial / mining / expansion projects during July-December, 2020.

Consent Committee Meeting

The following Consent Committee Meetings were conducted by the Board at Head Office, Bhubaneswar to discuss consent to establish of various projects and disposed 39 cases during the reporting period.

Consent Committee Meeting	
Date	No. of cases discussed & disposed
22.07.2020	10
27.08.2020	05
24.09.2020	06
03.11.2020	08
27.11.2020	10
Total	39

Internal Consent Committee Meeting

During the above period, Internal Consent Committee met on the following dates and discussed the consent to establish cases as follows:

Internal Consent Committee Meeting	
Date	No. of cases discussed & disposed
19.10.2020	04
15.12.2020	07
Total	11

Consent to Establish Status

The Board has granted “Consent to Establish” stipulating appropriate pollution control measures to 383 industries, hotels, mineral stack yards, mineral processing units, railway sidings, stone crushers, brick kilns and DG Sets (as stand-by) etc. during July – December, 2020.

Consent to Operate Status

The Board has granted “Consent to Operate” to 1003 industries, mines, hotels, hospitals, Housing complexes, Country Liquor processing units, mineral stack yards, mineral processing units, railway sidings, stone crushers, brick kilns, DG Sets (as stand-by) and mineral based industries etc. and issued 146 show cause notices, 20 directions/direction of closure and 09 refusal of consent due to violation of provisions of the Rules during the reporting period.

Implementation of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

- Authorization has been granted to 63 hazardous waste generating units under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 for collection, storage, treatment and disposal of hazardous wastes during July-December, 2020.
- The Board has authorised 10 Actual Users inside Odisha & 03 Actual Users outside Odisha during the reporting period for the utilization of hazardous wastes such as Used oil, Waste oil, Aluminium Dross and Lead Acid Battery Plates / Ashes / Residue / Scraps.

Implementation of the Batteries Management and Handling Rules, 2001

17 units have filed returns (half yearly returns) with the Board by December, 2020 on smooth management and handling of batteries (lead-acid) under the provisions of the Batteries Management and Handling Rules, 2001.

Implementation of the Bio-Medical Waste Management Rules, 2016

The Board has granted authorization to 271 health care facilities, issued show cause notices to 134 units and refused authorization of 04 units due to violation of the aforesaid rules during the said period.

Implementation of Plastic Waste (Management) Rules, 2016

During the reporting period 05 plastic products manufacturing units have been registered with the Board.

Implementation of Electronic Waste (Management) Rules, 2016

Authorization has been granted to only one E-Waste collection-cum-dismantling centre during the reporting period.

Legal Matters

The Board has filed/counter filed 44 cases in various Courts during July-December, 2020 and 68 cases including some pending cases of previous year have been disposed during the reporting period.

Sl.No	Name of the Court	No. of Cases	
		Filed/Counter filed	Disposed
A	Lower Court (SDJM)		
1.	The Water (PCP) Act	Nil	Nil
2.	The Air (PCP) Act	Nil	Nil
3.	The Environment (Protection) Act	Nil	Nil
B	High Court		
1.	PIL	13	06
2.	Writ	17	13
C	Supreme Court		
1.	PIL	Nil	Nil
2.	Writ	14	Nil
D	Other Court		
1.	Civil Suit	Nil	Nil
2.	Consumer Dispute Cases	Nil	Nil
3.	Lokpal Cases	01	Nil
E.	N.H.R.C. / O.H.R.C.	08	NIL
		(NHRC-05+OHRC-03)	(NHRC-NIL+OHRC-Nil)
1.	Cases U/S-133 of CrPC	Nil	Nil
2.	Cases before the State Appellate Authority	05	Nil
3.	Cases before the National Green Tribunal	22	14
	Total	80	33

Environmental Monitoring

- ◆ Ambient air quality at 36 stations of 17 important towns and industrial areas of Angul, Balasore, Berhampur, Bhubaneswar, Bonaigarh, Cuttack, Jharsuguda, Kalinganagar, Keonjhar, Konark, Paradeep, Puri, Rayagada, Rajgangpur, Rourkela, Sambalpur & Talcher have been monitored by the Board under National Ambient Air Quality Monitoring Programme (NAMPP)/State Ambient Air Quality Monitoring Programme (SAMP) in respect of 08 parameters like PM₁₀, PM_{2.5}, SO₂, NO₂, NH₃, O₃, Pb & Ni. In total, 546 ambient air quality samples, 8993 samples under NAMPP/SAMP projects, 239 stack emission samples have been collected and analysed by the Board during the reporting period.
- ◆ The Board is regularly monitoring the river water quality at 129 stations on 11 major river systems of the State. Water quality has been assessed in respect of 32 water quality parameters under National Water Quality Monitoring Programme (NWMP). Besides, water quality of Taladanda Canal, Puri Canal, six religious ponds in Bhubaneswar and Puri town like Bindusagar, Narendra, Markanda, Indradyumna, Swetaganga, Parbatisagar, one pond in Jeypore town, lakes such as Chilika, Anshupa, Tampara and coastal water quality at Puri, Gopalpur and Paradeep and creek water at Atharabanki has also been monitored.
- ◆ Monitoring of ground water quality at 48 stations of 11 towns has also been conducted in respect of 32 water quality parameters.
- ◆ Bio-monitoring at 25 locations of 08 major rivers i.e. Mahanadi, Brahmani, Rushikulya,

Subernarekha, Budhabalanga, Kolab, Vansadhara, Nagabali and one location in Jagannatha Sagar Pond, Jaypore has been monitored to assess the biological health.

- ◆ Surface water quality of 5 stations on Atharabanki creek and ground water quality at 3 stations in the peripherals of Phosphatic Fertiliser Units and water samples from 07 test wells as well as samples from 05 wastewater discharging points of the fertilizer producing units at Paradeep have been monitored to assess fluoride contamination in the area.
- ◆ Water quality of Ganda Nallah and Kharasrota river has also been monitored at seven stations to assess the impacts of waste water discharge from the Industrial Units in Kalinganagar area to the Nallah.
- ◆ Water quality of Damasala river at nine stations in Sukinda Chromite Mines area has been monitored to assess the hexavalent chromium content in river water.
- ◆ Impacts of idol immersion after Durga puja on water quality of Kuakhai and Daya river (in Bhubaneswar city), Kathajodi river (in Cuttack city) and Mangala river (in Puri town) have been investigated. Due to adherence to the guidelines of CPCB (MoEF), Delhi on immersion of idols in artificial ponds, no significant impact due to immersion activities on the water bodies was observed.
- ◆ Though the State Govt. had banned bursting of fire crackers during Deepavali, due to pandemic COVID-19 situation, the Board in compliance to the order of CPCB, Delhi (Letter NO. A-21016/1/8/Mon-7544, dtd. 17.09.2020) has monitored the ambient air quality with respect to parameters like SO₂, NO₂, PM₁₀ & PM_{2.5} in pre- and on the day of Deepavali at 53 locations in 14 towns/ cities i.e., Angul, Balasore, Berhampur, Bhubaneswar, Cuttack, Jharsuguda, Kalinganagar, Keonjhar, Konark, Paradeep, Puri, Rayagada, Rourkela and Sambalpur. Similarly ambient noise levels in pre & during celebrations of Dusshera & Deepavali have been conducted in Industrial, Commercial, Residential and Silence Zones in 14 cities/towns such as Angul, Balasore, Berhampur, Bhubaneswar, Cuttack, Jharsuguda, Kalinganagar, Keonjhar, Konark, Paradeep, Puri, Rayagada, Rourkela and Sambalpur to assess the status of air quality during that period.
- ◆ The Board has analyzed 833 industrial waste water samples, 2911 water samples under NWMP, National River Conservation Programme (NRCP), SWMP and different projects during the period of July-December, 2020.
- ◆ The Board has analyzed 52 solid waste samples for regulatory purpose.

RTI & Public Complaints

The Board has disposed 244 applications providing information under the Right to Information Act, 2005 and addressed 163 public complaints during July - December, 2020

Human Resource Development & Training

- ◆ Due to the current pandemic COVID-19 situation the Board officials (12 nos.) were imparted online training on various sectors through video conferencing.
- ◆ 2nd National E-Conference on “Industrial Waste Management COVID-19 and Industrial Waste Management Ecosystem in India” was organized by the Board through video conferencing.

Awareness Programmes

Public awareness on “Impact of bursting of fire crackers during Deepawali” and “Impact on immersion of idols on water quality of surface water bodies” were created through public notices in local news papers.



PRINTED MATTER

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