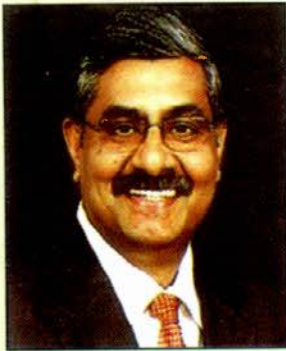


PARIBESH-SAMACHAR

Jan-March, 2017
Quarterly Newsletter Vol.XXIV.No. 2

From the Desk of Chairman....



The State Pollution Control Board, Odisha being a regulatory body enforces various environmental laws to protect the environment of the State. In recent past, in order to promote ease doing business the Board has decided to exclude the Building and Construction Projects of School, College, Hostel for Educational Institution, Industrial shed from Consent Administration of the Board. However, such building shall ensure sustainable environmental management, solid and liquid waste management, rainwater harvesting etc. for environmental sustainability of the sector. Further the awareness campaign made by the Board during Holi festival to use natural colors is praiseworthy.

On the eve of World Environment Day, 2017 I am confident that the Paribesh Samachar will create awareness amongst all the stakeholders and general public for environment protection.

R. BALAKRISHNAN, IAS



STATE POLLUTION CONTROL BOARD, ODISHA

PARIVESH BHAWAN, A/118, NILAKANTHA NAGAR, UNIT-VIII
BHUBANESWAR - 751012

*From the Desk of
Member Secretary...*



The management of solid wastes, biomedical wastes and plastic wastes is becoming a major challenge in the State, in recent times. The State Pollution Control Board, Odisha has expedited actions for implementation of the Solid Waste Management Rules, 2016 by urban local bodies. In order to facilitate implementation of Bio-medical Waste Management Rules, 2016,

The Board has revised the authorization validity period and streamlined grant of authorization in recent times. The authorization validity for bedded health care establishments is synchronized with the validity of consent and the authorization has been made one time for non-bedded health care facilities. Further, the Board has revised structure of bio-medical waste authorization fees under the said Rules. For effective implementation of the Plastic Waste Management Rules, 2016, recently the Board has decided to have some processing fees for registration of Plastic manufacturing units .

This newsletter will help in increased public awareness in abatement of pollution for a better environment.

A stylized, handwritten signature in black ink, consisting of several loops and a horizontal line at the bottom.

D. Biswal, IFS

ACTIVITIES OF THE BOARD

BOARD MEETING

114th Board Meeting of the State Pollution Control Board, Odisha was held on 7th March, 2017 under the chairmanship of Sri R. Balakrishnan, IAS, Development Commissioner & A.C.S. to Government of Odisha and Chairman, State Pollution Control Board, Odisha, and the following important decisions were taken.

- Approval of strengthening of Biomedical Waste Management Cell for regular monitoring of health care establishments as per the new Bio-medical Waste Management Rules, 2016 notified on 28.03.2016. by Ministry of Environment Forest & Climate Change.
- Approval of the proposal for revised structure of Bio-Medical Waste authorization fees under the Biomedical Waste Management Rules, 2016.
- Approval of the proposal on processing fees for registration of Plastic manufacturing unit under the Plastic Waste Management Rules, 2016.
- The Board approved policy decision on inclusion of minor mineral mines with lease area less than 5 hectare under consent administration of the Board as per orders of the Hon'ble NGT, EJB, and Kolkata dtd.01.02.2016 in O.A. No. 116/2015/EZ filed by Sri Niranjana Jena vrs. State of Odisha & others.
 - a) It was resolved to include all the minor mineral mines irrespective of the areas under consent administration of the Board.
 - b) It was further decided to explore the possibility of delegating the power of grant of consent of minor mineral mines having area up to 5 hector to District Level Environmental Impact Assessment Authority for grant of Environmental Clearance.
- Approval of the proposal for revised classification of Industrial Units under Red/Orange/Green/White categories as per the CPCB Direction.

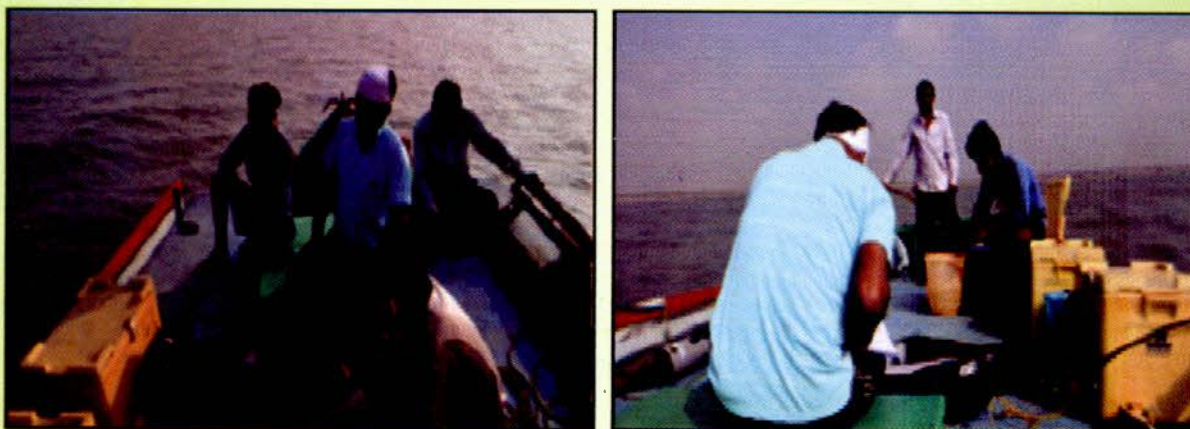
The Board approved the inclusion of additional industrial units/projects in the list of Classification of Industrial Units issued earlier vide Letter No. 15889, dtd.31.10.2016, which are as follows:

RED CATEGORY
1. Common Biomedical Waste Treatment & Disposal facility
2. Sanitary Landfill (Standalone) more than 5 Tons per day
3. Packaging of Pesticides/Chemicals
4. Septage Treatment (it's should be treated as a part of common STP)
5. As per the decision of 110th Board Meeting of SPCB, Odisha, Building and Construction Project (having built-up area more than 20,000 Sq.m & less than 1,50,000 Sq.m) comes under Consent Administration. The project of activities shall not include industrial shed, school, college, hostel for educational institution, but such building shall ensure sustainable environmental management, solid and liquid waste management, rain water harvesting and may use recycled materials such as fly ash bricks.
ORANGE CATEGORY
1. Stand alone composting facility having capacity more than 5 Tons per day (without shed).
WHITE CATEGORY
1. Stand alone composting facility with shed.

- The Board has approved the Revised Budget for the financial year 2016-17 and Budget for the financial year 2017-18.

INTEGRATED COASTAL ZONE MANAGEMENT PROJECT (ICZMP)

● The Pilot Executing Agency (PEA) in the World Bank assisted Integrated Coastal Zone Management Project (ICZMP), SPCB, Odisha has been monitoring sea water for the assigned coastal stretch of about 80 km from Paradeep to Dhamra under the mandate of the ICZM project. Shoreline coastal monitoring performed in Gahirmatha-Bhitarakanika and Paradeep transect collecting 182 numbers & 246 numbers of samples respectively in the month of March, 2017 by the team of scientists of ICZMP, SPCB. The parameters analysed are: pH, temperature, Conductivity, Salinity, Sachi depth, Dissolved Oxygen, Total Dissolved solids, Dissolved Oxygen, Chemical Oxygen Demand, Biochemical Oxygen Demand, Turbidity, Salinity, Alkalinity, Fluoride, Nitrite, Nitrate, Ammonia, Ortho-phosphate, silicate, TOC, TIC, AOX, Pesticides, PAH, Heavy metals (Vanadium, Chromium, Manganese, Iron, Nickel, Copper, Cobalt, Zinc, Arsenic, Molybdenum, Cadmium, Lead, Mercury), Total Coliform & Fecal Coliform, Phytoplankton, Zooplankton, Chlorophyll, Green algae, Blue green algae, diatoms, Cryptophytes, Carotenoids, Phaeopigment.



Sample Collection at Gahirmatha-Bhitarakanika and Paradeep Transect

● The Sea Worthy Pollution Monitoring Vessel which was launched into sea at Bhimulipatnam, AP on 14th December 2016 and thereafter the vessel reached Paradeep Port on 24st January 2017 through sea-voyage from Vizag port. After launching at Paradeep, 4th stage inspection has been carried out on 9th February 2017 in the presence of Dr. V.A. Subramanian, Prof. Dept. of Ocean Eng., Madras IIT, Chennai (Technical Specialist cum Consultant). The committee expressed its satisfaction on the overall progress of the vessel launching at Paradeep Port and the quality standards being confirmed by the builder up to this stage. The vessel is already registered with MMD (Mercantile Marine Department of DG Shipping, Govt. of India) with all assigned numbers for registration and the validity of the registration is renewed up to 19th October 2017. The plying of the vessel would be taken up once it is received the final clearance from Indian Registrar of Shipping (IRS).



The IRS has already undertaken inspections from 20th March to 21st March 2017 for inspection of general conditions of vessel and again from 29th March to 1st April 2017 for sea trail and inspection towards ratification of navigational as well as radio equipments affixed in the vessel in presence of radio equipment contractor (Marks Marine Radio Pvt. Ltd, Mumbai).

Illustrations on Pollution Monitoring Vessel Launched At Paradeep Port

- Nodal Officer cum Project Coordinator attended 3 days residential training programme on "Environmental Pollution and its Health Impacts-Practical Aspects" from 1-3, February-2017 at TERI Retreat, Gual Pahari Campus, Gurgaon, Haryana. Further, he inspected the installation and commission of SPV (Solar Photo Voltaic) Power Plant at CMCE, building, Paradeep on 9th February, 2017.



Solar Photo Voltaic Power Plant at CMCE, Building, Paradeep

- The Centre for Management of Coastal Eco-system (CMCE) building at Paradeep is operating and certification for green building is under process.

REAL TIME DATA TRANSMISSION SYSTEM (RTDAS)

The Board has implemented GPRS based real time data transmission 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 transmission system has been installed in 139 nos. and 21 nos. of industries and mines respectively.

PUBLIC HEARING

The Board has conducted a public hearing on 22nd February 2017 for Cement grinding unit of M/s. Emami Cement Ltd, at-Manatira, Dangadi Tehasil in Jajpur district.

CONSENT COMMITTEE

The Board has undertaken the following Consent committee meetings at Head Office, Bhubaneswar to discuss consent to establish of various projects discussed and disposed 21 cases during the reporting period.

Consent Committee Meeting	
Date	Nos. of cases discussed and disposed
30.01.2017	07
09.02.2017	03
21.03. 2017	11
Total	21

Consent to Establish

The Board has granted "Consent to Establish" with stipulations of appropriate pollution control measures to 237 nos. of industries, hotels, mineral stack yards, mineral processing units, railway sidings, stone crushers, brick kilns and DG Sets (as stand-by) for different facilities etc. for their establishment during January - March, 2017 from the Head Office and different Regional Offices.

Consent to OPERATE

834 nos. of industries, mines, hotels, mineral stack yards, mineral processing units, railway sidings, stone crushers, brick kilns, DG Sets (as stand by) and mineral based industries etc. have been granted "Consent to Operate" during the reporting period.

AUTHORISATION

- ❖ The Board has granted authorization to 27 nos. of 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 January - March, 2017.
- ❖ The Board has granted authorization to 423 nos. of health care facilities and issued 243 nos. of show cause notices under the Biomedical Waste Management Rules, 2016 during the said period.
For effective implementation of Bio-medical Waste Management Rules, 2016, the Board decided to regulate the authorization validity period vide office order No. 1965 dtd. 09.02.2017 in the following manner;
 - a) Validity of authorization of the healthcare facilities having 100 beds and above/ common bio-medical waste treatment facility shall be synchronized with the validity of consents.
 - b) Validity of health care facility having less than 100 beds shall be five years for Red-category (total wastewater generation more than 100 KLD or with incinerator) and ten years for Orange-category (Total wastewater generation up to 100 KLD and without incinerator) stipulating a condition to obtain consent under Water (PCP) Act, 1974 within one year.
 - c) The authorization shall be one time for non-bedded health care facilities.
- ❖ 06 nos. of Firms submitted annual returns with the Board for smooth management and handling of batteries (lead-acid) under the provisions of the Batteries Management and Handling Rules, 2001.
- ❖ The Board has intimated the Solid Waste Management Rules, 2016 to all ULBs in the State for effective management of municipal solid waste which includes authorization, processing and disposal of solid wastes.

VIOLATIONS

The Board has issued 126 nos. of show cause notices, 18 nos. of directions /directions of closure and 47 nos. of refusal of consent due to violation of provisions of the rules during January - March, 2017.

EMPANELMENT OF ENVIRONMENTAL CONSULTANT

The following two firms have been empanelled as Environmental Consultants with the Board having equipped laboratory facilities during January - March, 2017.

S.L No	Name of the Consultant	Category	Validity Period
1	M/s Envomin Consultant Pvt. Ltd. Plot No-3054/9625, Pandra Bhubaneswar	A	25.01.2017 to 24.01.2020
2	M/s. Earth and Environment Plot No- 652, Ekamra Villa, IRC Village, Nayapalli ,Bhubaneswar	A	16.02.2017 to 15.02.2020

LEGAL MATTERS

The Board has filed/counter filed 45 cases in various Courts during January - March, 2017, out of which 55 cases have been disposed including previous cases 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	NIL	04*
2.	Writ	06	04
C	Supreme Court		
1.	PIL	NIL	NIL
2.	Writ	NIL	NIL
D	Other Court		
1.	Civil Suit	NIL	NIL
2.	Consumer dispute Cases	NIL	24*
3.	Lokpal Cases	NIL	NIL
D	Other Court	24 (NHRC-14+OHRC-10)	17 (NHRC-3+OHRC-14)
1.	Cases U/S-133 of CrPC	NIL	NIL
2.	Cases before the State Appellate Authority	NIL	NIL
3.	Cases before the National Green Tribunal	15	6
Total		45	55

N.B : * Previous Cases

SCIENTIFIC STUDIES

- ❖ The State Pollution Control Board, Odisha is monitoring Ambient Air quality at 36 stations of 14 important towns and industrial areas with the financial support of Central Pollution Control Board under National Ambient Air Quality Programme / State Ambient Air Quality Programme on regular and ongoing basis. Those stations are Angul, Talcher, Rourkela, Rayagada, Bhubaneswar, Berhampur, Cuttack, Sambalpur, Keonjhar, Balasore, Kalinga Nagar (Jajpur), Paradeep, Konark and Rajgangpur. in respect of eight parameters. 2740 nos. of ambient air quality samples have been collected and analysed during the reporting period.
- ❖ 1187 nos. of industrial wastewater samples, samples from 326 nos. of stack emissions, 530 nos. of ambient air samples and 04 nos. soil/hazardous samples from different industrial premises have been collected and analyzed during the reporting period.
- ❖ State Pollution Control Board, Odisha has conducted 69 nos. of noise studies by different Regional offices at various occasions during the reporting period.

Performance evaluation of 47 numbers of sound limiters of different band parties has been conducted in respect of noise [limited to 65 dB(A)].

CELEBRATION



Celebration of World Water Day by RO Kalinga Nagar at UGME School, Jajpur District.

World Water Day (Biswa Jala Divas) was celebrated on 22nd March, 2017 by Regional Offices of State Pollution Control Board, Odisha organizing various activities such as meeting, debate competitions etc..

AWARENESS PROGRAMMES

- For creation of awareness amongst the public, the Board publishes advertisements relating to environmental issues in different periodicals / newspapers / souvenirs/website.
- ❖ The Board has created public awareness on ill- impacts of synthetic colours used during Holi festival by posting the Guidelines for Safe Holi (published by Central Pollution Control Board) in its website, advertisements in Newspapers, communicating the Guideline to all District Collectors and Authorities of Urban Local bodies & through mobile vehicles.



Awareness Programme for observation of safe Holi by RO Cuttack

RTI& PUBLIC COMPLAINTS

The Board has disposed 90 nos. of applications providing information under the Right to Information Act, 2005 and addressed 64 nos. of public complaints during January - March, 2017.

HUMAN RESOURCE DEVELOPMENT

❖ The Board has conducted various programmes by the Centre for Excellence for imparting training to various stakeholders on pollution control and environment protection, and also deputed its officials on exposure training & to aquire knowledge in the above field.



Training of Trainers (TOT) Workshop on Bio-Medical Waste Management-UNIDO Project held during 14th -15th February, 2017 at Hotel Swosti Premium, Bhubaneswar



Stakeholders Meet on Fly Ash Utilization on 16th February 2017 at Hotel Swosti Premium, Bhubaneswar

A. Training / Workshop / Seminar Organised / Sponsored by Board

Sl. No.	Training Programme	Duration	Venue	Collaboration with
1.	Workshop on Biomedical Waste Management Rules, 2016	18.01.2017	Lecture Theater of Principal, MKCG Medical College & Hospital, Berhampur	SPC Board & MKCG Medical College & Hospital, Berhampur
2.	State Level Consultative Workshop on Standard Operating Procedures (SOP) and Training Materials for Health Care Waste Management-UNIDO Project	13.02.2017	Hotel Swosti Premium, Bhubaneswar	State Pollution Control Board, Odisha, Bhubaneswar & M. S. Ramaiah Medical College, Bangalore
3.	Training of Trainers (TOTs) Workshop on Bio-Medical Waste Management-UNIDO Project	14.02.2017 to 15.02.2017	Hotel Swosti Premium, Bhubaneswar	State Pollution Control Board, Odisha, Bhubaneswar & M. S. Ramaiah Medical College, Bangalore
4.	Stakeholders Meet on Fly Ash Utilization	16.02.2017	Hotel Swosti Premium, Bhubaneswar	Fly Ash Resource Centre (FARC), State Pollution Control Board, Bhubaneswar
5.	National Seminar on "C.L.E.A.N. TECH and Odisha Renewable Energy Policy, 2016"	06.04.2017 to 07.04.2017	Hotel Swosti Premium, Bhubaneswar	SPC Board, Odisha, Bhubaneswar & OMS Power Training & Research Institute (OMSPTRI)
6.	National Seminar on "Environmental Protection : Socio-Legal Issues and Challenges" during	25.03.2017 to 16.03.2017	PG Department of Law, Sambalpur University, Jyoti Vihar, Burla, Sambalpur	SPC Board, Odisha & PG Department of Law, Sambalpur University, Jyoti Vihar, Burla, Sambalpur

B. Training / Workshop / Seminar attended by the Board in India

Sl. No.	Name & Designation	Date	Title of the training programme	Conducted by	Venue
1.	Dr. D. K. Behera, Sr. Env. Scientist (I-I)	05.01.2017 to 07.01.2017	"Environment Management for Power Plants, Use and Disposal of Fly Ash - New Avenues, Opportunities, Constraints and Challenges"	CIMFR, Dhanbad & sponsored by CPCB	CIMFR, Dhanbad
2.	Mr. Deepesh Kumar Biswal, Asst. Env. Engineer	14.01.2017 to 18.01.2017	Identification of Contaminated Sites and its Treatment Technologies, Interferences and Data Management using GIS	IIT, Roorkee & sponsored by CPCB	IIT, Roorkee
3.	Mr. R. N. Prusty, Sr. Env. Engineer	09.01.2017 to 13.01.2017	Preparing Consent and Inspection Checklist	Centre for Science and Environment, New Delhi	Centre for Science and Environment, New Delhi
4.	Mr. Soumya Ranjan Mallick, SSA, Central Lab, Bhubaneswar	09.01.2017 to 13.01.2017	Water and Air Quality Monitoring, Analysis and Data Management Hands-on- Training	CSIR-NEERI, Nehru Marg, Nagpur & sponsored by CPCB	CSIR-NEERI, Nehru Marg, Nagpur
5.	Mr. Manoranjan Pradhan, SSA, Regional Office, SPC Board, Angul	09.01.2017 to 13.01.2017	Water and Air Quality Monitoring, Analysis and Data Management Hands-on- Training	CSIR-NEERI, Nehru Marg, Nagpur & sponsored by CPCB	CSIR-NEERI, Nehru Marg, Nagpur
6.	Dr. M. Mahaling, Regional Officer, Rourkela	09.01.2017 to 13.01.2017	Environmental Management in Tanneries (including ZLD, Chrome Recovery), Slaughter Houses, Sponge Iron Plants, Pharma and Chemical Sector	CES, Chennai & sponsored by CPCB	CES, Chennai & sponsored by CPCB
7.	Mr. M. Murmu, DEE, Regional Office, Balasore	09.01.2017 to 13.01.2017	Environmental Management in Tanneries (including ZLD, Chrome Recovery), Slaughter Houses, Sponge Iron Plants, Pharma and Chemical Sector	CES, Chennai & sponsored by CPCB	CES, Chennai & sponsored by CPCB

Sl. No.	Name & Designation	Date	Title of the training programme	Conducted by	Venue
8.	Mr. P. K. Behera, DEE, RO, Paradeep	11.01.2017 to 13.01.2017	Risk Management in Chemical Industries - Hands-on-Training	DMI, Bhopal & sponsored by CPCB	DMI, Bhopal
9.	Mr. Dibya Lochan Mohapatra, AEE, RO, Keonjhar	11.01.2017 to 13.01.2017	Risk Management in Chemical Industries - Hands-on-Training	DMI, Bhopal & sponsored by CPCB	DMI, Bhopal
10.	Mr. P. C. Rauta, Env. Engineer	18.01.2017 to 20.01.2017	Emergency Response to Spillages/Illegal Disposal/Fire of Hazardous Wastes	DMI, Bhopal & sponsored by CPCB	DMI, Bhopal
11.	Dr. P. K. Mohapatra, RO, Balasore	18.01.2017 to 20.01.2017	Emergency Response to Spillages/Illegal Disposal/Fire of Hazardous Wastes	DMI, Bhopal & sponsored by CPCB	DMI, Bhopal
12.	Dr. D. K. Behera, Sr. Env. Scientist	24.01.2017 & 25.01.2017	Short Term Course on "Industrial and Municipal Waste Management (I&MWM)"	NIT, Rourkela	NIT, Rourkela
13.	Dr. D. K. Behera, Sr. Env. Scientist	27.01.2017	One Day National Workshop on "Law and Management of Electronic Waste in India : Issues & Challenges"	National Law School of India University (NLSIU), P.O. Bag 7201, Nagarbhavi, Bangalore	National Law School of India University (NLSIU), Bangalore
14.	Mr. C. R. Nayak, Sr. Env. Scientist	01.02.2017 to 03.02.2017	Environmental Pollution and its Health Impacts - Practical Sessions	TERI, Delhi & sponsored by CPCB	TERI, Delhi
15.	Mr. Anupam Behera, Sr. Env. Scientist	01.02.2017 to 03.02.2017	Environmental Pollution and its Health Impacts - Practical Sessions	TERI, Delhi & sponsored by CPCB	TERI, Delhi
16.	Dr. D. K. Behera, Sr. Env. Scientist	03.02.2017	State Credit Seminar 2017-18	National Bank for Agriculture and Rural Development (NABARD)	Hotel Mayfair Lagoon, Bhubaneswar
17.	Mr. B. P. Pattajoshi, Sr. Law Officer	06.02.2017 to 10.02.2017	Environmental Legislations, Interpretation, Enforcement, Legal and Statutory Requirements - Case Studies (Middle & Senior Level)	NLSIU, Bangalore & sponsored by CPCB	NLSIU, Bangalore
18.	Mrs. Subhadarsini Das, Dy. Env. Engineer	06.02.2017 to 10.02.2017	Continuous Emission Monitoring System (CEMS)	Centre for Science and Environment, New Delhi	Centre for Science and Environment, New Delhi
19.	Mr. Debdutta Mohanty, Asst. Env. Engineer, Regional Office, Jharsuguda	06.02.2017 to 10.02.2017	Continuous Emission Monitoring System (CEMS)	Centre for Science and Environment, New Delhi	Centre for Science and Environment, New Delhi
20.	Mr. Biswakanta Pradhan, Asst. Env. Engineer, Regional Office, Angul	06.02.2017 to 10.02.2017	Continuous Emission Monitoring System (CEMS)	Centre for Science and Environment, New Delhi	Centre for Science and Environment, New Delhi

Sl. No.	Name & Designation	Date	Title of the training programme	Conducted by	Venue
21.	Mr.Gunanidhi Behera, SSA, Regional Office, Rourkela	08.02.2017 to 10.02.2017	Laboratory Quality Management System and Internal Audit as per ISO/IEC 17025:2005/Updated Version and NABL Requirements	NIOH, Ahmedabad & sponsored by CPCB	NIOH, Ahmedabad & sponsored by CPCB
22.	Dr. D. K. Behera, Sr. Env. Scientist	12.02.2017	Seminar on From Waste to Profit Through Reduce, Recycle, Reuse	Orissa State Productivity Council, Bhubaneswar	Hotel Hindustan International,, Bhubaneswar
23.	Mr. P. C. Raura, Env. Engineer	13.02.2017 to 24.02.2017	Waste Management : Policies, Issues, Challenges and Way Forward	Centre for Science and Environment, New Delhi	Centre for Science and Environment, New Delhi
24.	Mr.Mitrasen Majhi, Regional Officer, Berhampur	14.02.2017 to 16.02.2017	Performance Monitoring of STPs/CETPs - Practical Aspects	ESCI, Hyderabad & sponsored by CPCB	Engineering Staff College of India, Gachi Bowli, Hyderabad
25.	Mr. A. K. Barik, AEE, Regional Office, Balasore	14.02.2017 to 16.02.2017	Performance Monitoring of STPs/CETPs - Practical Aspects	ESCI, Hyderabad & sponsored by CPCB	Engineering Staff College of India, Gachi Bowli, Hyderabad
26.	Mr.H. B. Panigrahi, Regional Officer, Bhubaneswar	14.02.2017 to 16.02.2017	Cleaner Production Technologies Practical Aspects	IIT, Roorkee & sponsored by CPCB	IIT, Roorkee
27.	Dr. D. K. Behera, SES	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
28.	Mr.Sitikantha Sahu, EE, Head Office	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
29.	Mr. M. M. Murmu, AEE, Balasore	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
30.	Mr.Rakesh Kumar Mohanty, AEE, Rayagada	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
31.	Mrs.Twinkle Mohanty, AEE, RO, Sambalpur	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
32.	Mr.Maheswar Behera, AEE, RO, Berhampur	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
33.	Mr. Bijay Kumar Bhoi, AEE, RO, Angul	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar

Sl. No.	Name & Designation	Date	Title of the training programme	Conducted by	Venue
34.	Mr.Narottam Behera, DEE, Head Office	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
35.	Mr.H. B. Panigrahi, RO, Bhubaneswar	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
36.	Dr. S. P. amantray, ES, Head Office	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
37.	Dr. J. R. Dash, ES, RO, Bhubaneswar	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
38.	Mr. Ripu Kumar Sahu, AEE	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramalah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
39.	Ms.Rashmi Rekha Pradhan, AEE, RO, Rourkela	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
40.	Ms. Nibedita Das Bebartta, AEE, RO, Cuttack	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
41.	Mr. Madan Mohan Sahoo, AEE, RO, Paradeep	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
42.	Mr. Bhim Charan Marandi, AES, RO, Kalinganagar	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramalah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
43.	Mr.Debdutta Mohanty, AEE, RO, Jharsuguda	14.02.2017 to 15.02.2017	Workshop on "Biomedical Waste Management"	MS Ramaiah Medical College & Hospital, Bangalore & SPCB, Odisha	Swosti Premum, Bhubaneswar
44.	Mr. R. N. Prusty, Sr. Env. Engineer		Effective Management of Hazardous Waste including E-Waste - Co-processing and Co-incineration - Hazardous Waste Rules"	IWM, Bengaluru & sponsored by CPCB	IWM, Bengaluru
45.	Mr. N. R. Sahoo, Sr. Env. Engineer (L-I)	February, 2017	Global Warming, Climate Change and Disaster Management Perspective	PGIMER, Chandigarh & sponsored by CPCB	PGIMER, Chandigarh
46.	Mr. H. N. Nayak, Regional Officer, Sambalpur	February, 2017	Global Warming, Climate Change and Disaster Management Perspective	PGIMER, Chandigarh & sponsored by CPCB	PGIMER, Chandigarh

Sl. No.	Name & Designation	Date	Title of the training programme	Conducted by	Venue
47.	Mr. Soumendra Nath Mohanty, AEE, Regional Office, SPC Board, Kalinga Nagar	06.03.2017 to 10.03.2017	Short Term Course "Advanced Treatment and Recycling of Urban and Industrial Wastewater"	IIT Kharagpur, West Bengal	Indian Institute of Technology Kharagpur
48.	Dr. D. K. Behera, Sr. Env. Scientist	10.03.2017	International Conference on "Combating Air Pollution"	Indian Medical Association (HQS), IMA House, Indraprastha Marg, New Delhi-110002	Indian Medical Association (HQS), IMA House, Indraprastha Marg, New Delhi-110002
49.	Mrs. Anusha Ekka, AES, Regional Office, Balasore	20.03.2017 to 24.03.2017	Workshop of Water Quality and its Management	National Institute of Hydrology, Roorkee & sponsored by CPCB	National Institute of Hydrology, Roorkee
50.	Dr. D. K. Behera, Sr. Env. Scientist	23.03.2017	Workshop on Solid and Hazardous Waste Management	PG Dept. of Environmental Science, Sambalpur University, Burla, Sambalpur	PG Dept. of Environmental Science, Sambalpur University, Burla, Sambalpur
51.	Mr. Debdutta Biswal, IFS Member Secretary	25.03.2017 to 26.03.2017	International Conference on Environment (Climate Change / Paris Agreement, Air and Water Pollution and Municipal Solid Waste)	National Green Tribunal (NGT) during	Vigyan Bhawan, New Delhi
52.	Dr. P. K. Prusty, Sr. Env. Scientist	25.03.2017 to 26.03.2017	International Conference on Environment (Climate Change / Paris Agreement, Air and Water Pollution and Municipal Solid Waste)	National Green Tribunal (NGT) during	Vigyan Bhawan, New Delhi
53.	Dr. D. K. Behera, Sr. Env. Scientist	25.03.2017 to 26.03.2017	International Conference on Environment (Climate Change / Paris Agreement, Air and Water Pollution and Municipal Solid Waste)	National Green Tribunal (NGT) during	Vigyan Bhawan, New Delhi
54.	Dr. B. N. Bhol, Sr. Env. Scientist	25.03.2017 to 26.03.2017	International Conference on Environment (Climate Change / Paris Agreement, Air and Water Pollution and Municipal Solid Waste)	National Green Tribunal (NGT) during	Vigyan Bhawan, New Delhi
55.	Mr. R. N. Prusty, Sr. Env. Engineer	25.03.2017 to 26.03.2017	International Conference on Environment (Climate Change / Paris Agreement, Air and Water Pollution and Municipal Solid Waste)	National Green Tribunal (NGT) during	Vigyan Bhawan, New Delhi
56.	Mr. B. P. Pattajoshi, Sr. Law Officer(L-I)	25.03.2017 to 26.03.2017	International Conference on Environment (Climate Change / Paris Agreement, Air and Water Pollution and Municipal Solid Waste)	National Green Tribunal (NGT) during	Vigyan Bhawan, New Delhi

C. Other Trainings

- ❖ Training on "Vehicular Pollution and its Effect on Human Health & its Remedial Measures" imparted to forty five traffic personnel at Urban Police of Traffic Training Institute, Laxmisagar, Bhubaneswar on 09th March 2017.
- ❖ The Board has imparted training to six students of M.Sc. Environmental Studies from Vani Vihar , Utkal University to conduct their project work on Environmental pollution, monitoring and analysis.
- ❖ The Board has imparted training to twelve M.Sc. Forestry students of OUAT, Bhubaneswar on "Monitoring and Analysis of Ambient air & Water quality parameters" on 25th & 27th March 2017.



ରାଜ୍ୟ ପ୍ରଦୂଷଣ ନିୟନ୍ତ୍ରଣ ବୋର୍ଡ଼, ଓଡ଼ିଶା
 ବିଭିନ୍ନ ପ୍ରକାର ଜୈବ ବର୍ଜ୍ୟବସ୍ତୁ ଏବଂ ସେମାନଙ୍କର ପୃଥକୀକରଣ
 (ତାଲିକା ଜୈବ ବର୍ଜ୍ୟବସ୍ତୁ ପରିଚାଳନା ନିୟମ, ୨୦୧୭)

ଦୂଷକ	ଲାଲ	ଧଳା	ନୀଳ	
<p>କଠିନ ବର୍ଜ୍ୟବସ୍ତୁ</p> <ul style="list-style-type: none"> ➤ ମଣିଷ ଶରୀରର କଟା ଅଂଗ / ନଷ୍ଟ ହୋଇଥିବା ଅଂଗ / ମୃତ ଭୃଣ ➤ ପ୍ରାଣୀ ଶରୀରର କଟା ଅଂଗ / ନଷ୍ଟ ହୋଇଥିବା ଅଂଗ, ➤ ରକ୍ତ, ପୂଜ ଭିଜା ତୁଳା, ଗଜ୍ଜ କନା, ଡ୍ରେସିଙ୍ଗ ପ୍ୟାଡ୍, ବ୍ୟାଣ୍ଡେଜ୍ ଆଦି ରୋଗ ସଂକ୍ରମଣର ସମ୍ଭାବନା ଥିବା ସାମଗ୍ରୀ ➤ ଫିଙ୍ଗାଯିବା ପାଇଁ ରହିଥିବା ଔଷଧ ➤ ରାସାୟନିକ ଆବର୍ଜନା 	<p>ତରଳ ବର୍ଜ୍ୟବସ୍ତୁ</p> <ul style="list-style-type: none"> ➤ ଜୈବ ପ୍ରସୂତି କିମ୍ବା ଅନାବଶ୍ୟକତା ଜୀବାଣୁ ନଷ୍ଟ କରାଯାଇ ପାଇଁ ବ୍ୟବହୃତ ତରଳ ବର୍ଜ୍ୟ, ଏକ୍ସ-ରେ ଫିଲ୍ମ ବ୍ୟବହୃତ ତରଳ ପଦାର୍ଥ, ଅଦରକାରୀ ଫର୍ମାଲିନ୍, ସଂକ୍ରମିତ ତରଳ, ଅଦରକାରୀ ଶରୀରରୁ ନିର୍ଗତ ତରଳ, ପରୀକ୍ଷାଗାର ଏବଂ ଚିକିତ୍ସା ଓ ଅନ୍ୟାନ୍ୟ ସଫେଇ ରୁ ନିର୍ଗତ ବର୍ଜ୍ୟଜଳ ଇତ୍ୟାଦି 	<p>ସଂକ୍ରମିତ ବର୍ଜ୍ୟ ପଦାର୍ଥ (ପୁନଃ ପ୍ରକ୍ରିୟା କୃତ)</p> <ul style="list-style-type: none"> ➤ ନଳା (ଟ୍ୟୁବିଙ୍ଗ୍) ➤ ବୋତଲ ➤ ଆଇ. ଭି. ଟ୍ୟୁବ ➤ ମୁତ୍ର ନଳା ➤ ମୁତ୍ର ଥଳା ➤ ସିରିଞ୍ଜ (ଛୁନୁଟି ଲାଗିଥିବା ଏବଂ ଛୁନୁଟି ବିହୀନ) 	<p>ତୀକ୍ଷ୍ଣଧାରଯୁକ୍ତ ବର୍ଜ୍ୟବସ୍ତୁ</p> <ul style="list-style-type: none"> ➤ ଛୁନୁଟି ➤ ବ୍ଲେଡ୍ ➤ ବାଲପେଲ୍ ➤ ଅନ୍ୟାନ୍ୟ ସଂକ୍ରମିତ ➤ ତୀକ୍ଷ୍ଣ ଧାରୁଆ ଧାତବ ପଦାର୍ଥ 	<p>କାଚ ପଦାର୍ଥ</p> <ul style="list-style-type: none"> ➤ ଭଙ୍ଗା କିମ୍ବା ଅଦରକାରୀ ଏବଂ ସଂକ୍ରମିତ କାଚ ତଥା ଔଷଧ ଯୁକ୍ତ ଭାଏଲ୍ ଓ ଆମ୍ବୁଲ୍ (କିନ୍ତୁ କୋଷ୍ଠ କ୍ଷତିକାରକ ବର୍ଜ୍ୟ ଦ୍ୱାରା ସଂକ୍ରମିତକୁ ଛାଡ଼ି) ➤ ମଣିଷ ଶରୀରରେ ଖଞ୍ଜା ଯାଇଥିବା ଧାତବୀୟ ପଦାର୍ଥ

ସୌଜନ୍ୟ- ଡଃ. ସୁତିପ୍ରଭା ସାମନ୍ତରାୟ, ପରିବେଶ ବିଜ୍ଞାନୀ



Training of Trainers (TOTs) Workshop on Bio-Medical Waste Management-UNIDO Project held during 14th -15th February, 2017 at Bhubaneswar

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