

CENTRAL POLLUTION CONTROL BOARD

TRAINING CALENDAR

2017 – 2018



पर्यावरणीय प्रशिक्षण यूनिट
Environmental Training Unit
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय)
(Ministry of Environment, Forests & Climate Change)
परिवेश भवन, ईस्ट अर्जुन नगर, दिल्ली - 110032
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

BACKGROUND

By virtue of the provisions contained in section 16 (2) (d) of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, one of the important functions of Central Pollution Control Board (CPCB) is "to plan and organize training of persons engaged or to be engaged in programmes for the prevention, control or abatement of pollution." From time to time, CPCB conducted training programmes in various fields for officials of SPCBs/PCCs/CPCB. In 2004, visualizing the importance of conducting training programmes, adopting organized & systematic approach for capacity building, an Environmental Training Unit (ETU) was established in CPCB. Further reputed institutions were inducted therein, to conduct short-term training programmes of 3, 4 and 5 days duration as per requirement in priority areas. Subsequently, a MoU was entered in the form of tripartite agreement amongst CPCB, CSE and MoEF&CC for imparting training at various levels of officials from CPCB, SPCBs/PCCs.



OBJECTIVE

The objective of ETU is to assess training needs, plan and organize training of persons engaged or to be engaged in programmes for the prevention, control or abatement of pollution.

MANDATE

- To carry out training needs assessment;
- To impart and organize training programmes for various target groups;
- To assess competence of training institutes and training programmes;
- To expand the existing net of training institutes;

NEED FOR TRAINING

- Training is required for increasing the job knowledge and skills of employees at each level as it helps to expand the horizons of human intellect and overall personality of the employees.
- It helps in increasing the productivity of the employees which in-turn helps the organization further to achieve its long term goal.
- Training also helps in creating a learning culture within the organization and helps in building positive perception and feeling about the organization.
- Training aids in organizational development i.e. organization gets more effective decision making and problem solving solutions.
- To develop the knowledge and skills in the health safety & environmental education, research & development and training institutes.
- As there is no limit for knowledge, training is forever and sharing makes its success.

TRAINING FIELDS

- Environmental Planning and Management
- Environmental Monitoring and Assessment
- Hazardous Substances/Solid Waste/Bio-Medical Waste Management/ Electronic and Plastic Wastes
- Laboratory Management, Analytical and Quality System
- Pollution Control (Waste Management, Clean Technologies)
- Environmental Policy, Law Education and Economics
- Environmental Information
- Environmental Health Impact
- Inter-personnel Skills
- Technological Advancements in Process and Pollution Control
- General Management/Administration, Financial and Procurements



DETAILS OF TRAINING PROGRAMMES SPONSORED/CONDUCTED BY CPCB

- Since 2004, CPCB has organized 195 programmes in different priority fields, for officials of CPCB, SPCBs/PCCs, MoEF&CC, Universities, Industrial Corporations, Municipalities and NTIs.
- More than 4,000 officials from CPCB/SPCBs/PCCs were attended these training programmes.
- CPCB is organising/conducting in-house/outside trainings/workshops/seminars on time to time basis in specific area according to the requirement.
- During 2016-17, 20 training programmes covering different priority areas under eight training fields pertaining to pollution control aspects were organised. More than 400 officials from CPCB, SPCBs/PCCs benefitted from these programmes. These programmes were appreciated by the participants by rating them as informative, knowledge enhances & skill enhances for effectively performing the task.
- Internship (2 to 6 week duration) and Dissertation (5 to 6 months duration) on Environmental Pollution were given to 92 PG & Professional Students of various Universities (BHU, IPU, DU, Amity, GBU, TERI, SRM, KU, JPIIT, Panjab University, Dehradun University, Patna, Nalanda, Thapar, Vanasthali, etc.) and Institutes IITs (Dhanbad, Mumbai, Delhi), NITs, etc.

OTHER PROGRAMMES:

Officials of CPCB/SPCBs/PCCs were also nominated to participate in environmental training programmes sponsored by:

- Ministry of Urban Development (MoUD)
- Centre for Science & Environment (CSE) under tripartite agreement among MoEF&CC, CPCB & CSE.
- DST programmes under IIPA for technical & scientific personnel of CPCB.
- UNEP sponsored capacity building programme on "Air Pollution in South Asia" for SAARC countries conducted by CPCB as and when required.

INSTITUTIONS INVOLVED

- Indian Institutes of Technology (Bombay, Delhi, Guwahati, Kanpur, Madras, Roorkee, etc.)
- Professional Training Institutes (ESCI, ISI, TERI, CENC, NIOH, NIH, VSI, CIPET, NITS, C-DAC, DMI, NPC, IIWM, IIPA, etc.)
- R&D Institutes (PCRI, NEERI, NGRI, EPTRI, IITR, PGIMER, CPPRI, CIMFR, etc.)
- Environment Management Division of various Universities (TERI University, NLSIU, GBPUA&T, AMU, Anna University, etc.)



TARGET GROUP:

Pollution Control Boards/Committees, Environmental Departments and Ministries, Municipalities, Public Health Departments., Environmental Laboratories, Industries, Hospitals, Industrial Associations, NGOs and other relevant target groups from Government Departments, engaged in Prevention and Control or Abatement of Pollution.

Participants from industry, institutes, consultants and other concerned private organizations can attend as payee participants subject to availability of seats. Selection of participants as a whole is on the sole discretion of CPCB.

COURSE FEE:

- **Government participants:**
Courses are free to participants from CPCB, SPCBs, PCCs and other government organizations, which includes accommodation, course material, stationary etc., however, TA/DA has to be borne by the nominating organizations. The concerned training institutes are responsible for making all necessary arrangements for participants during training programmes.
- **Participants from Private Organizations:**
Participants from private organizations have to pay course fee for attending the programmes as per rules fixed by the organizing training institutes. The nominating organizations have also to bear the cost towards travel, daily allowances, accommodation etc.

For more information coordinators of respective training institutes shall be contacted.

WHOM TO SEND NOMINATIONS:

Nominations may be sent directly to the **Training Coordinators of the respective Training Institutes** in the prescribed format (available on CPCB Website) endorsing a copy to Administrative Officer, Environmental Training Unit, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, Delhi-110032 (Telefax:011-22300070, 011-43102311/315, E-mail: cpcb.etu@gmail.com)

FOR CPCB EMPLOYEES ONLY:

Nominations from CPCB, Head Office / Regional Directorates/ Project Office may be sent in the prescribed format (available on CPCB Website) through Divisional/Sectional Incharges to Administrative Officer, Environmental Training Unit, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, Delhi-110032 (Telefax:011-22300070, 011-43102311/315, E-mail: cpcb.etu@gmail.com).

Further Contacts:- Dr. S.K. Tyagi, Scientist 'E' & Head, CPCB - ETU (Mobile: 09868956529, PH: 011 43102344)
Sh. M. Varghese, Administrative Officer, CPCB - ETU (Tel.: 011-22300070)

Training Programmes: 2017-18

S. No.	Training Programme	Duration	Tentative Schedule	Training Institute	Training Coordinator
1.	Calibration, QA/QC. Interlab Comparison and Proficiency Testing in Air	3 days	Jul. 17-19, 2017	CPCB, Delhi (AQ-II)	Dr. S.K. Tyagi, Scientist 'F' & Head , Air Quality – II (Air Toxics) Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi Tel.: 011-43102344 Telefax: 011-22383503 E-mail: cpcbekt@yahoo.co.in Deputy: Sh. S.K. Sharma, Scientist 'C' Mobile: 09891349445
2.	Green Chemistry and Cleaner Technology	3 days	Jul. 20-22, 2017	CES, Chennai	Dr. S. Kanmani, Director , Centre for Environmental Studies, Anna University, Chennai – 600 025 Mobile: 09444585805 Tel.: 044-22354296, Fax: 044-22354717 E-mail: skanmani@hotmail.com Deputy: Dr. K. Palanivelu, Professor Tel.: 044-22359014
3.	Sampling and Analysis of Specific Pollutants (Metals, Ions, Pesticides, PAHs, BTX/ VOCs, Carbonyls/ PCBs etc., Method Validation, SOPs, Data Interpretation and Quality Assurance	3 days	Aug. 02-04, 2017	CPCB, Delhi (AQ-II)	Dr. S.K. Tyagi, Scientist 'F' & Head , Air Quality – II (Air Toxics) Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi Tel. 011-43102344 Telefax: 011-22383503 E-mail: cpcbekt@yahoo.co.in Deputy: Sh. A. Pathak, Scientist 'C' Mobile: 09971566700
4.	Water Quality Monitoring of Surface, Ground, Waste Water/ Effluents, Data Interpretation and Quality Assurance	3 days	Aug. 12-14, 2017	CENC, Patna	Prof. R.C. Sinha, Chief Executive Centre for Environment and Nature Conservation, Dept. of Zoology, Patna University, Patna – 800 005 Mobile : 09204323713 Telefax: 0612-2372010 E-mail: rcsinha41@gmail.com
5.	Effective Management of Hazardous Waste including E-Waste – Co-processing and Co-incineration – Hazardous Waste Rules & Field Visit	5 days	Aug. 29- Sep. 02, 2017	IIBM, Bengaluru	Ms. P. Bineesha, Executive Director , International Institute of Waste Management, No. 11, Diamond House, Ground Floor, Gurappa Avenue, Primrose Road (Off MG Road), Bengaluru – 540 025 Mobile: 09448062878, Tel.: 080-25599079 E-mail: p.bineesha@iiwm.in Deputy: Sh. Srinidhi Kashyap Mobile: 09980345505

6.	Design, Operation, Maintenance and Performance of STP, CETP, CBMWTFs	3 days	Sep. 06-08, 2017	NEERI, Nagpur	<p>Dr. Tapas Nandy, Wastewater Technology Division, National Environmental Engineering Research Institute, Nehru Marg, Nagpur – 440 020 Tel.: 0712-2249885-88 Ext. 213 Fax: 0712-2249900 E-mail: t_nandy@neeri.res.in</p> <p>Deputy: Dr. Girish R. Pophali Tel.: 0712-2249885-88 Ext. 411/285</p>
7.	Advance Instrumental Analytical Techniques (AAS, ICP-OES, XRF, GC-MS, ATD-GC, HPLC, IC, EC/ OC, TOC etc.)	3 days	Sep. 13-15, 2017	NEERI, Nagpur	<p>Dr. A. Ramesh Kumar, Analytical Instrumentation Division, National Environmental Engineering Research Institute, Nehru Marg, Nagpur – 440 020 Mob.: 09427326180, Fax: 0712-2249900 Tel.: 0712-2249885-88 Ext. 423 E-mail: ar_kumar@neeri.res.in / arkcgwb@yahoo.com</p> <p>Deputy: Sh. G.S. Kanade, Tel.: 0712-2249885-88 Ext. 232</p>
8.	Real Time Data Acquisition, Transmission & Data Interpretation of Online Monitoring Systems (Ambient, Emissions & Effluents)	3 days	Sep. 20-22, 2017	CPCB, Delhi (ITD)	<p>Sh. A. Sudhakar, Scientist 'E' & Head, IT Division, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110 032 Tel.: 011-43102296 Fax: 011-08902 E-mail: asudhakar.cpcb@nic.in</p> <p>Deputy: Sh. Aditya Sharma Mobile: 09911328120</p>
9.	Integrated Waste Management – Municipal Waste, Plastic Waste, Bio-Medical Waste, Bio Composting, Landfill Gas Management & Control and Waste to Energy with Field Visit	5 days	Oct.09-13, 2017	IWM, Bengaluru	<p>Ms. P. Bineesha, Executive Director, International Institute of Waste Management, No. 11, Diamond House, Ground Floor, Gurappa Avenue, Primrose Road (Off MG Road), Bengaluru – 540 025 Mobile: 09448062878, Tel.: 080-25599079 E-mail: p.bineesha@iiwm.in</p> <p>Deputy: Sh. Srinidhi Kashyap Mobile: 09980345505</p>
10.	Biological Monitoring, Analysis & Testing (Microbiology, Bio-Assay & Biomonitoring), SOPs, Data Interpretation and Quality Assurance	3 days	Oct. 12-14, 2017	Panjab University	<p>Dr. Suman Mor, Asst. Professor, Dept. of Environmental Studies, Panjab University, Chandigarh Mobile: 09876346309, Tel.: 0172-2744993 E-mail:sumanmor@yahoo.com</p> <p>Deputy: Dr. Ravindra Khaiwal Mobile: 08872016262</p>
11.	Investigation, Remediation and Management of Soil and Groundwater Contaminated Sites	3 days	Nov. 20-22, 2017	IIT, Roorkee	<p>Dr. Brijesh Kumar Yadav, Associate Professor, Dept. of Hydrology, Indian Institute of Technology Roorkee, Roorkee – 247 667 Mob.: 08979534484, Tel.: 01332-284755, Fax: 01332-285236, 273560 E-mail: brijeshy@gmail.com / brijkfhy@iitr.ac.in</p> <p>Deputy: Dr. N.K. Goel Mobile: 09412393851</p>

12.	Occupational Health & Safety Assessment System (OHSAS) 18001: 2007 and Risk Management	5 days	Nov. 21-25, 2017	NIOH, Ahmedabad	Dr. P. Sivaperumal, Scientist 'C' , National Institute of Occupational Health, P.B. No. 2031, Meghani Nagar, Ahmedabad – 380 016 Mob.: 09904721778, Tel.: 079-22688864/65 Fax: 079-22686110 E-mail: sivaperum2003@yahoo.co.in Deputy: Dr. Suresh Yadav Mobile: 09427326180
13.	Clean Development Mechanism (CDM): CDM Project Implementation for Industrial Sector, Energy Sector, Mining Sector and Carbon Trading	3 days	Nov. 27-29, 2017	EPTRI, Hyderabad	Dr. J. Sesha Srinivas, Sr. Scientist , Environmental Protection Training and Research Institute 91/4, Gachibowli, Hyderabad-500032 Tel.: 040-23180116, Fax: 040-23180135 E-mail: jssvas1997gmail.com Deputy: Sh. B. Siva Prasad Tel.: 040-23180105
14.	Air Quality Management – Plans using decision support system UrbAir India	3 days	Nov. 29 - Dec. 01, 2017	TERI, University, Delhi	Dr. Kamna Sachdeva, Asst. Professor , TERI University, 10, Institutional Area, Vasant Kunj, New Delhi – 110 070 Mobile: 09891065393 Tel.: 011-26139110, 71800222 Fax: 011-26122874 E-mail: kamna.sachdeva@teri.res.in Deputy: Dr. Anu R. Sharma Tel.: 011-071800222
15.	Source Emission Monitoring for Parameters Notified under Source Emission	3 days	Dec. 04-06, 2017	PCRI, Haridwar	Sh. Ambrish Goel , Addl. General Manager, Pollution Control Research Institute, Bharat Heavy Electrical Limited, Ranipur, Haridwar – 249 403 Tel.: 01334-281872, 281394 Fax : 01334-225090 E-mail: ambrish@bhelhwr.co.in Deputy: Dr. Satyavir Bhatnagar Tel.: 01334-281873, 281872
16.	Indoor & Outdoor Air Pollution, Standards and Impact on Human Health – Case Studies	3 days	Dec. 07-09, 2017	PGIMER, Chandigarh	Dr. Ravindra Khaiwal, Associate Professor , School of Public Health, Postgraduate Institute of Medical Education & Research, Chandigarh – 160 012 Mobile: 08872016262 Tel.: 0172-2755262 Fax: 0172-2744993 E-mail: khaiwal@yahoo.com Deputy: Dr. Suman Mor Mobile: 09876346309
17.	Cleaner Technologies & Waste Minimization for Prevention of Industrial Pollution and Four R's – Reduce, Reuse, Recycle and Recover – Case Studies	3 days	Dec. 13-15, 2017	NPC, Delhi Training Venue: NPC-Chennai	Shri K.D. Bhardwaj, Director , Environment, National Productivity Council, Utpadakta Bhavan, 5-6, Institutional Area, Lodi Road, New Delhi – 110 003 Mobile: 09999455646 Tel.: 011-24607313 Fax: 011-24615002 E-mail: kd.bhardwaj@npcindia.gov.in Deputy: Sh. K. Raju, NPC, Chennai Mobile: 09493868374

18.	Air Quality Monitoring (Ambient, Source, Noise), Analysis, Data Interpretation and Quality Assurance	4 days	Jan. 02-05, 2018	NEERI, Delhi Zonal Centre	<p>Dr. S.K. Goyal, Sr. Principal Scientist & Head, National Environmental Engineering Research Institute, Delhi Zonal Centre, I-93/94, Naraina Industrial Area, Phase-I, New Delhi-110 028 Tel.: 011-45609107, Fax: 011-45609106 E-mail: sk_goyal@neeri.res.in / p_mandal@neeri.res.in</p> <p>Deputy: Dr. Sunil Gulia Tel.: 011-45609107</p>
19.	Environmental Legislations, Interpretation, Enforcement, Legal and Statutory Requirements – Case Studies	5 days	Feb. 05-09, 2018	NLSIU, Bangalore	<p>Dr. Sairam Bhat, Associate Professor, National Law School of India University, Nagarbhavi, Bangalore – 560 072 Mobile: 09480013771 Tel.: 080-23160527, 23160532-35 Ext. 237 Fax: 080-23160534, 23160527 E-mail: bhatsairam@nls.ac.in</p> <p>Deputy: Sh. Manjeri Subin Sunder Raj Mobile: 07411983360</p>
20.	Environmental Data Interpretation, Compilation, Analysis, Presentation and Reporting – Hands-on Training and Case Study	5 days	Feb. 05-09, 2018	ISI, Delhi	<p>Prof. S.K. Neogy, Professor & Course Coordinator, Indian Statistical Institute, 7, S.J.S. Sansanwal Marg, New Delhi – 110 016 Tel.:011-41493968, 41493966 Fax:011-41493981 E-mail: skn@isid.ac.in / sqc@isid.ac.in</p>
21.	Vehicular Emission and Exhaust Monitoring (Receptor and Dispersion Modelling)	3 days	Feb. 07-09, 2018	TERI, Delhi Training Venue: Gwal Pahari Gurugram	<p>Ms. Anju Goel, Associate Fellow, The Energy & Resources Institute, Darbari Seth Block, IHC complex, Lodi Road, New Delhi – 110 003 Tel.: 011-24682100 Fax: 011-24682144 E-mail: agoel@teri.res.in</p> <p>Deputy: Sh. Jai Kishan Malik E-mail: jai.kishanmalik@teri.res.in</p>
22.	Real Time Monitoring of Continuous Ambient Air (CAAQM), Merits, Demerits, Standard Operation & Maintenance Procedures, Data Validation, Interpretation & Presentation. Calibration & Quality Assurance, Uncertainty Aspects and Related Formats/ Check Lists	3 days	Feb. 20-22, 2018	CPCB, Delhi (AQ-I)	<p>Dr. D. Saha, Scientist 'F' & Head, Air Quality – I (Ambient & Source) Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110 032 Tel.: 011-43102341 Telefax: 011-22301071 E-mail: dsaha.cpcb@nic.in</p> <p>Deputy: Sh. S.K. Sharma, Scientist 'C' Mobile: 09891349445</p>

N.B: Dates of the training programme are subject to change depending upon the response of the nominations as well as convenience of the organising institute.