



CENTRAL POLLUTION CONTROL BOARD, DELHI
(Ministry of Environment, Forest & Climate Change)

POLICY/GUIDELINES FOR STUDENT TRAINING
UNDER SKILL DEVELOPMENT PROGRAMME
IN THE FIELD OF
ENVIRONMENTAL POLLUTION ASSESMENT & CONTROL.

STUDENT TRAINING & QUALITY CELL,
CENTRAL LABORATORY, DELHI

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POLICY/GUIDELINES FOR STUDENT TRAINING UNDER SKILL DEVELOPMENT PROGRAMME IN THE FIELD OF ENVIRONMENTAL POLLUTION ASSESSMENT & CONTROL IN CPCB.

CENTRAL POLLUTION CONTROL BOARD is an apex body in the country for the prevention and control of pollution. Being a multidisciplinary organization and a national laboratory with the mandate to support the pollution assessment, monitoring and control programs in the country, extends its expertise to provide great opportunities for research and impart training to students/fellows from academic institutions in order to encourage skill development & the growth of scientific/technological research in the country in the field of environmental pollution assessment control.

Salient Features:

A. Short term Training/ B. Long term Training

- Flexible duration of 6-8 Weeks for short term for B.Tech. /M.Tech.& M.Sc. students & 5-6 Months long term training for M.Tech./M.Sc. students. The Ph.D. Scholar may be given practical demo/ hands on training for one/two week in the relevant field.
- Training covering all environmental aspects including monitoring, assessment & control of pollution.
- Laboratory/Field Visits / Hands-on Training Demo/Practical's
- Preparation/submission of project report & presentations

Who can apply

Students pursuing B.E. / B.Tech. / M. Tech. in Engineering M.Sc. and Ph. D. Scholar in the discipline of:

Group A

- Environmental Engineering
- Environmental Science
- Environmental Management
- Chemistry (Organic, Inorganic, Analytical & Industrial)

Group B

- Electronics & Instrumental Engineering
- Computer Science Engineering
- Information Technology Engineering
- Civil Engineering

Reputed Institutes like IITs /BIT/NITs and reputed Universities will be given priority for long term programs & short term programs. Very few seats may be available for the Ph.D. Scholar on practical demo/ hands on training for one/two week in the relevant field.

Duration/Period:

Short term program: 4-6 Weeks

Long term program: 5-6Months

The short term summer training will preferably be conducted between the month of May & July and winter training will be conducted during December & January for Short term. The long term training will be for the whole semester period of M.Tech. or M.Sc. during the period January to June. The Ph.D. Scholar may be given practical demo/ hands on training for one/two week in the relevant field.

Long term program will be based on selection by CPCB for very limited seats for the students of M.Tech./M. Sc. (Final) and writing research papers is compulsory besides submission of report by selected student trainees for long term program.

Short term training program will be available only as per demand of various section/divisions of CPCB & students have to submit a brief report on completion of the training to CPCB.

Selection Criteria:

The minimum requirements for a summer/winter training are:

- Student should be in Third year of study of Graduation in Engineering or Final year of MSc./ M. Tech.
- Have an excellent academic record
- Be well conversant in English
- The technical and soft skills specified in the internship applied for
- Be potentially interested in training and career
- Students may give priority areas for proposed training, however they will be considered as per the requirement of the concerned Division and the exact topic of training will be decided in consultation with training coordinator and the supervisor in concerned Divisional / Sectional In charges in CPCB.
- There will be one Senior level Scientist for over all Training Co-ordination in CPCB , interaction with various divisions, institutions and student trainees for allotment of topics & placement of trainees with scientists/divisions concerned, assessment & awarding certificates to successful trainees.
- Mere applying for training in CPCB does not entitle incumbents a compulsory training in CPCB. Selection will be based on Merit and as per discretion of CPCB authorities. The selected student only will be intimated through the concerned institutions.

Fee/Stipend:

No Stipend will be paid to the trainee student and no fee will be charged for providing training.

Accommodation/TA/DA:

No Accommodation/TA/DA will be provided to the students trainees. They have to make their own arrangement for stay during training period.

Faculty Mentors:

If more than five students trainees are nominated by any institutions it will be required to nominate one faculty members to serve as mentor for the batch of interns'/ research projects. Mentors, who volunteer their time, are chosen for their excellence in research and scholarly work and their commitment to research by the respective institution. The mentor have to interact with the students as well as with the training coordinator and supervisor time to time.

Discipline & Attendance:

The student trainees are required to maintain discipline and put their signature on attendance register. 80-85% attendance apart from submission of the training report is must for awarding the certificate of training by the Scientist students Training Co-coordinator.

How to Apply:

The application for training of students forwarded/ recommended by the concerned authorities / head of the department concerned/ Principal of the Institution will be entertained only if supported with Bio data of the student and applications are received in time in CPCB. No application will be received after the last date of submission of the same.

Correspondence Address:

Member Secretary

Central Pollution Control Board
(Ministry of Environment & Forest)
Parivesh Bhawan, East Arjun Nagar
Shahadra, Delhi-11 00 32

(Kind Attention: (Dr. S.K. Tyagi, Addl. Director / Scientist "E", Training Coordinator, Student Training Coordinator)

Important Dates:

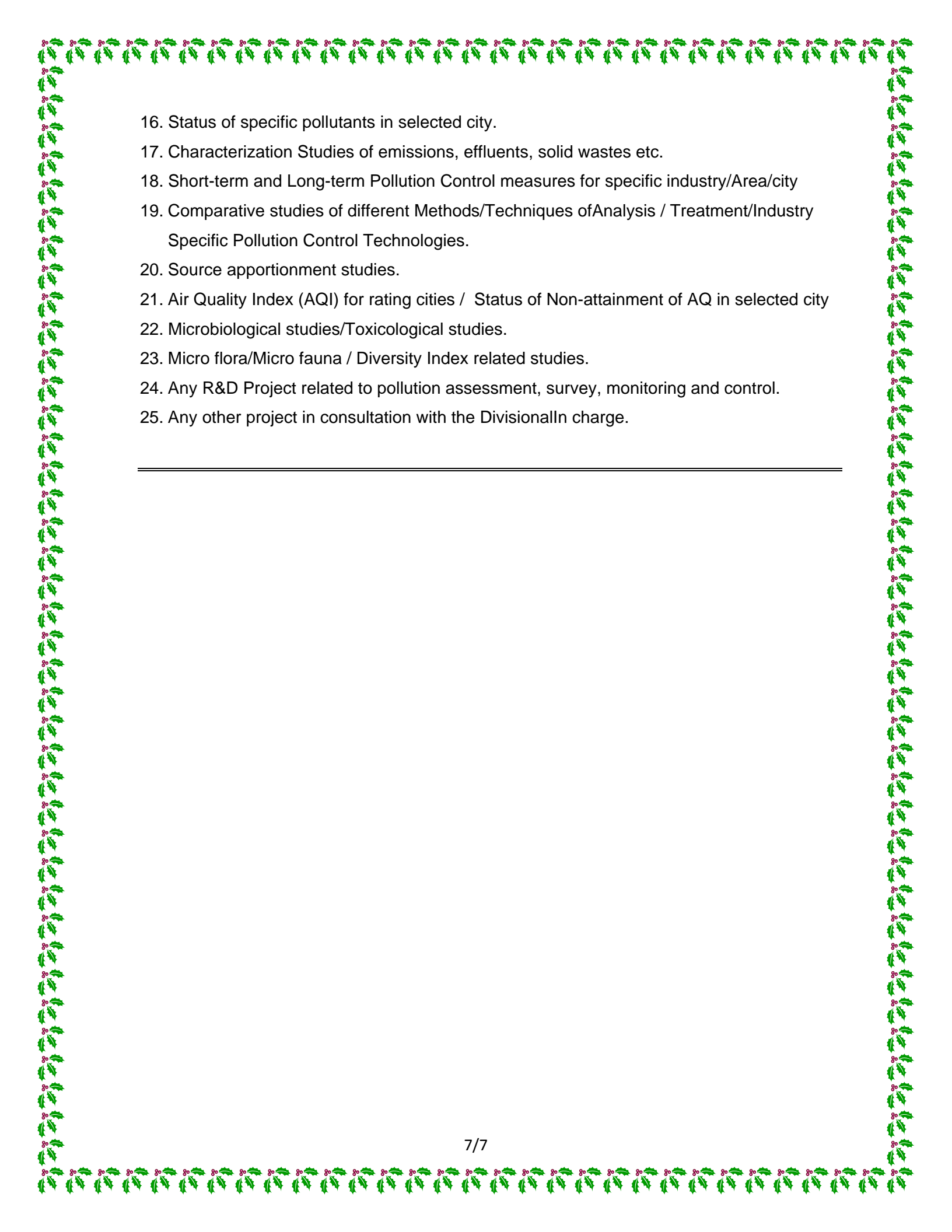
Request / Application received up to (Complete in all respect along with Bio-data and area of interest/proposed project through HOD of the institution.)	15 th November for Winter session and 15 th April for Summer session.
Compilation/Screening of Applications and Approval	15-25 November for Winter session and 15-30 April for Summer session.
Final Offer Letter from CPCB	Last week of November onward for Winter session and 1 st /2 nd week of May for Summer session
Commencement of Training	December/January for Winter session and 15 May to 15 July for Summer session.

Note: The limited number of Ph.D. Scholar may be given practical demo/ hands on training for one/two week in the relevant field on need base as and when required as per slots in CPCB.

Tentative Proposed Area of Training:

Proposed Areas of Training / Project Studies for trainee students

1. Air Quality Trend Analysis and Mapping for selected city.
2. Noise Level Status & Contouring for selected city.
3. Environmental Status and Action Plan for selected / metro cities.
4. Cleaner Technologies in Small Scale Industries – their status and cost effectiveness.
5. In-depth studies of sewage treatment plants.
6. In-depth studies of CETP / ETP plants.
7. Effect of construction activities in urban environment.
8. Optimization of Air Quality Monitoring Network in selected cities.
9. Trend Analysis of Water Quality for selected river.
10. Groundwater quality status for selected cities / state.
11. Status of water supply, sewage collection & treatment for selected cities / state.
12. Status of solid waste generation and disposal in selected cities / state.
13. Status of e-waste generation and disposal in selected cities / state.
14. Status of hazardous waste generation and disposal in selected city / state.
15. Quality Assurance in analytical measurements for specific parameters.

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16. Status of specific pollutants in selected city.
 17. Characterization Studies of emissions, effluents, solid wastes etc.
 18. Short-term and Long-term Pollution Control measures for specific industry/Area/city
 19. Comparative studies of different Methods/Techniques of Analysis / Treatment/Industry Specific Pollution Control Technologies.
 20. Source apportionment studies.
 21. Air Quality Index (AQI) for rating cities / Status of Non-attainment of AQ in selected city
 22. Microbiological studies/Toxicological studies.
 23. Micro flora/Micro fauna / Diversity Index related studies.
 24. Any R&D Project related to pollution assessment, survey, monitoring and control.
 25. Any other project in consultation with the Divisional In charge.
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