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RAJASTHAN POLLUTION CONTROL BOARD

YOUNG INTERN PROGRAMME - 2016

PROJECT CELL, RSPCB, JAIPUR

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INTRODUCTION:

The policy and regulatory frame work in the field of environmental laws and its implementation can be benefited from an outsider perspective. In addition various policies and projects can be modulated with the help of outsider perspective. An academically inclined person with interest in environmental concerns, pollution control and management can benefit immensely from getting a ring-side seat within **the State Board**, through hands on training in processing of files, working in laboratory and assisting during field visit.

Young Interns Program 2016 of the State Government is an internship program consisting of leveraging skill sets of students of reputed institutions or young entrepreneurs/ innovators/ employees of private sector/ self-employed professionals/ scholars/ educators/fellows any other and simultaneously the individuals gain invaluable insight while working for the State board. Thus, this program would be mutually beneficial to both the stakeholders. ***This is purely an internship program and does not provide any type of employment or guarantee for any employment in future. On the base of the State Government's programme, the State Board has come up with its Young Interns Programme.***

NODAL OFFICER:

Incharge of Project Cell is the nodal officer. Chief Environment Engineer and Chief scientific officer will provide essential guidance to Incharge Project Cell for smooth completion of all the internship.

OBJECTIVES OF THE PROGRAM:

The objectives of the program are as follows:

- To empower the young brains to learn and spread awareness and knowledge about **various pollution assessment, monitoring and control programme** and services provided by the state board for the benefit of society and to act as a bridge between the service providers and recipients.
- To develop operational and learning skills among young scholars.
- To strengthen their research and evaluation skills **in the field of environment pollution assessment, monitoring and control.**
- To generate interest amongst youth towards public services and awareness related

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to **environmental scenario/ pollution control measures.**

- To get independent critical analysis of policies/programme and seek suggestions for corrective measures.
- To enhance the outreach and impact of **the state board schemes & programs.**
- To promote innovations in the state board schemes & programs.

DURATION OF INTERNSHIP:

Program has structured for the time period as follows:

- **Short term internship programme:- 6 months**
- **Long term internship programme:- 1-2 years**

STRUCTURE OF INTERNSHIP:

Structure of internship would be as follows:

- Intern would be working in the state board office or any place as assigned by the State Board.
- Intern would be allotted a project for the duration/ tenure of internship.
- A mentor would be appointed by nodal officer in consultation with Chief Environment Engineer or Chief Scientific Officer as per required field.
- A brief orientation program covering state board functioning would be given to initiate the internship.
- On successful completion of internship, a certificate would be issued under the signatures of Chairperson and Member Secretary of the State Board.

ELIGIBILITY CRITERIA FOR SELECTION:

For short term internship programme:-

- **Students pursuing B.E./ B. Tech./ M. Tech. in the field of Biotechnology/ Civil/ Chemical/ Environmental Science/ Mining or M.Sc./ Ph. D. in the discipline of Environmental Science/ Environmental Management/ Chemistry (Organic, Inorganic Analytical & Industrial)/ Microbiology.**
- **An intern must be from IIT, NIT, IIM or other reputed an academic institution accredited/ affiliated to a university (UGC/ CSIR/ AICTE) or deemed university.**

For long term internship programme:-

- Young entrepreneurs, innovators, employees of private firms/ companies/ think tanks, self-employed professionals (in the field of environment etc).
- An intern must have valid degree in **B.E./ B. Tech./ M. Tech. in the field of**

Biotechnology/ Civil/ Chemical/ Environmental Science/ Mining or M.Sc./ Ph. D. in the discipline of Environmental Science/ Environmental Management/ Chemistry (Organic, Inorganic Analytical & Industrial)/ Microbiology.

- Excellent communication/ presentation / intra-personal skills/ academic record.
- Well versed Information Technology skills (MS Office including MS Word, Power Point, Excel and other similar programs on alternative platforms).
- **Age between 18-40 years (on 1st of January of the current year).**
- 1-2 years of development experience in working with a non-profit, community based organization, Charity etc. will be an advantage.

SELECTION PROCEDURE OF INTERNS:

- Incharge Project Cell will invite applications from prospective Interns and carry out the selection.
- Students are required to submit their application in the prescribed format duly recommended by the head/ dean of the institution along with relevant documents. Applications would be essentially accompanied by a Statement of Purpose (not more than 400 words) highlighting the issue he/ she would like to work upon and the nature of project proposed.
- Applications will be scrutinized by expert committee on the basis of candidate's academic record and
- Statement of purpose on the proposed topic of project.
- In case of young entrepreneurs/ innovators/ employees of private sector/ self-employed professionals/ scholars/ educators/ any other on sabbatical leave, their academic background, area of expertise/ interest, field of & quality of innovation and experience shall be given weightage in selection.
- Selection would be done by the committee as notified by the State Board.

STIPEND:

- **The selected interns will be given a stipend of Rs. 15000/- per month for short term internship programme and Rs. 30000/-per month for long term internship programme.**
- **Interns may also be engaged as consultant to specific projects.**

BOARDING/ LODGING/ MOBILITY AND OTHER LOGISTIC ARRANGEMENTS:



- **No accommodation will be provided to the intern. They have to make their own arrangement for stay during internship period.**
- **Mobility support would be provided by the state board for travel to places outside the head-quarter and stay as per rules applicable to Junior Environmental Engineer of State Board.**
- **Interns shall be encouraged to bring their own laptops, for which they may be paid a lump-sum amount of Rs. 2500 per month.**
- **Special Identity Card will also be provided to Interns.**

MENTOR:

Interns would be assigned to different mentors with whom they can interact on daily/ weekly bases for support and guidance. These mentors will be senior officers of the state board who will oversee the progress and help interns in their endeavour. When in the district, the interns shall report to the **concerning Regional Officer.**

SECTORS FOR INTERNSHIP:

For the study, specific projects/ subjects would be suggested by the state board. Routine works of the state board would also be included in the list of subjects for the internship. Some of the areas in which the Interns could be asked to work are given below.

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 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/lake.**
10. **Groundwater quality status for selected cities.**
11. **Status of water supply, sewage collection & treatment for selected cities.**
12. **Status of solid waste generation and disposal in selected cities.**
13. **Status of e-waste generation and disposal in selected cities.**


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14. Status of hazardous waste generation and disposal in selected city.
15. Quality Assurance in analytical measurements for specific parameters
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 In charge Project Cell.
26. Laboratory work.
27. Procedure and assistance in office working.

CERTIFICATE OF INTERNSHIP:

The interns will present their reports to the expert committee and mentor. The report will be assessed by a Committee and certificate will be awarded to each intern on completion of the internship.

No certificate will be awarded if the intern leaves the assignment before completion. The State Board reserves the right to terminate any internship at any point of time without any obligation to cite reasons.


(K. C. A. Arun Prasad)
Member Secretary