

Assignment 9 Env Laws/Acts

This assignment is based on **Experiment No. 10 – Study of Environmental Laws and Acts** conducted in the laboratory. You have already studied one environmental law/Act/Rules as a group. Now, **each student has to individually prepare a report on the same law/Act/Rules selected by your group.**

The purpose of this assignment is to understand not only the legal provisions but also **how environmental laws are applied to actual environmental problems and how engineers contribute to compliance.**

Assignment Task

Your assignment report should cover the following:

1. Introduction and Basic Information

Introduce the selected Act/Rules and explain:

- Name of the Act/Rules
- Year introduced
- Main purpose
- Environmental problem addressed
- Scope and applicability
- Why the law/Rules are important for environmental protection in India

2. Important Provisions and Implementing Authority

Identify and explain **3–5 important provisions** of your selected Act/Rules. Also identify the relevant **implementing/enforcement authorities**, such as:

- Central Government
- State Government
- CPCB
- SPCB
- Forest Department
- Local Authority
- National Green Tribunal
- Other relevant authority

Explain **what role the identified authority plays** in implementing or enforcing the law.

3. Engineering Relevance and Compliance

Explain how an engineer can help an organization or project comply with the selected environmental law/Rules.

Relate the law to appropriate engineering measures such as:

- ETP/STP
- Air pollution control equipment
- Waste segregation and treatment
- Environmental monitoring
- GIS and remote sensing
- IoT-based environmental sensors
- Environmental audit
- Cleaner production
- Resource recovery and recycling
- Environmental management systems

Use the following framework:

**LAW → ENVIRONMENTAL REQUIREMENT → ENGINEERING SOLUTION → MONITORING
→ COMPLIANCE** For example:

Water (Prevention and Control of Pollution) Act

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Effluent must comply with prescribed requirements

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Effluent Treatment Plant (ETP)

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Water-quality monitoring

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Compliance

4. Conclusion and References

Rubrics

Understanding of Act/Rules, Purpose and Scope 5	Engineering Relevance and Compliance Measures 5	Presentation, References and Originality 5	Total 15