GEEM 445

Engineering Ethics and Professional Practices

Ethics & Engineering Ethics

What we discussed in the last class?

- What is code of ethics?
- Why the professional should support the code?
- Function of code ethics.
- Important terms
- Fundamental principles of ASCE Code of Ethics.
- Guidelines to Practice under the fundamental Canons of Ethics.

IFCE/FIDIC

What we are going to discuss today?

- **What is IFCE/FIDIC?**
- **Importance of Consulting Engineers.**
- **Who is Consulting Engineers?**
- **Responsibilities of Consulting Engineers**
- **What is BACE?**
- **Characteristics of Consulting Engineers**
- Institution of Engineers, Bangladesh (IEB) Code of Ethics

IFCE/FIDIC

FIDIC stands for **Fédération Internationale des Ingénieurs-Conseils**,.

International Federation of Consulting Engineers (IFCE):

- **Recognizes that the works of the consulting engineering in industries** is **critical to the achievement of sustainable development** of society and the environment.

Who is Consulting Engineer?

- **An expert** in the **planning**, **design**, and **construction** of both public and private infrastructures.

- **Provides expertise and leadership** in the **planning**, **design**, **modification**, or **rehabilitation** of public and private infrastructure.

Responsibilities of Consulting Engineers in Consulting Industry: (ASU)

- **Accept the responsibility** of **the consulting industry** to society.
- **Seek solution** that are **compatible** with the principles of sustainable development.
- **At all times uphold** the **dignity** and **reputation** of the consulting industry.

What is the consulting firm?

- **A consulting firm** or simply **consultancy** is a **professional service firm** that **provides expertise and specialized labor for a fee**, through the use of consultants.

Bangladesh Association of Consulting Engineers (BACE):

- **BACE** was founded in 1975 as a registered non-profit professional society to **encourage a sound institutional development of the consulting firms in the country**.

- Association is **administered** by an elected **Executive Council** drawn up from representatives of member firms.

- Firms are admitted to membership of BACE only after they have **satisfied the Council** that they are **professionally qualified** and that they act independently of contractors and suppliers.

- **BACE** is affiliated to IFIC (International Federation of Consulting Engineers), ASPAC and TCDPAP and is a member of the Federation of Bangladesh Chamber of Commerce and Industry (FBCCI).

FIDIC™
International Federation of Consulting Engineers
The Global Voice of Consulting Engineers

ASPAC
Asia Pacific Network of Science & Technology Centres

TCDPAP
Technical Consultancy Development Program for Asia and the Pacific.

- Member Firms are **individually registered as consultants** with various international, regional and national development agencies.

- Association abide by the general principle and standards of professional **code of conduct**.

Characteristics of Consulting Engineers

- Competence
- Integrity
- Impartiality
- Fairness
- Corruption

Characteristics of Consulting Engineers

Competence:

Consulting Engineers shall:

- **Maintain knowledge and skills at levels consistent with developments in the technology**, **legislation** and **management**, and **apply** due skills, care and diligence in services rendered to the clients.

- **Perform services only** when competent to perform them.

Integrity:

Consulting engineers shall:

- **Act at all times** in the **legitimate interest of the client** and **provide all services with integrity and faithfulness**.

Impartiality:

Consulting engineers shall:

- **Be impartial** in the provision of professional advice, judgement or decision.
- **Inform the client of any potential conflict of interest** that might arise in the performances of services to the client.
- **Not accept remuneration** which prejudices independent judgement.

Fairness to Others:

Consulting engineers shall:

- **Promote** the **concept of quality based selection system ie 'QBS'.**
- **Neither carelessly nor intentionally do anything** to injure the reputation of business of others.

Fairness to Others: (cont..)

- **Not takeover the work of another consulting engineers** before notifying the consulting engineer in question and without being in writing by the client of the termination of the prior appointment for that work.

- In the event of being asked **to review the work of another, behave in accordance with appropriate** conduct and courtesy.

Corruption:

Consulting engineers shall:

Neither offer nor accept remuneration of any kind which in perception or in effect either

- **Seeks to influence the process of selection or compensation** of consulting engineers and /or their clients or

- **Seeks** to **affect the consulting engineer's** impartial judgement.

- **Cooperate fully with any legitimately constitutive investigative body** which makes inquiry into the administration of any contract for services or construction.

IEB CODE OF ETHICS

IEB CODE OF ETHICS

1. I **solemnly promise** that as a member of The Institution of Engineers, Bangladesh I shall **uphold and advance the integrity, honor and dignity** of the engineering profession using my knowledge and skill and shall **hold paramount the safety, health and welfare** of the public and shall **try to comply with the principles of sustainable development** in the performance of my professional duties.

2. I shall be **honest and impartial and serve with complete fidelity** the public, employer and clients. I **shall not accept remuneration for services** rendered other than that form my employer or with my employer's permission.

3. I shall **perform services only in areas of my competence**.

4. I shall **build my professional reputation** on **the merit** of my services and shall **not compete unfairly** with others.

5. I shall **act in professional matters for my employer or client** as **faithful agent or trustee** and shall **avoid conflict** of interest and **avoid deceptive acts**.

6. I shall **issue public statements only in an objective and truthful manner,** and shall not in a self laudatory language or in any manner derogatory to the dignity of the profession or professional bodies, neither advise or write articles for publication, **nor shall authorize** such advertisements to be written or published by any other person.

7. I, **without disclosing the fact to my employer in writing** shall not be director of or have a substantial financial interest in, nor be an agent for any company, firm or person carrying on any contracting consulting or manufacturing business which is or may be involved in the work to which my employment relates, nor shall I receive directly or indirectly any royalty, gratuity or commission or any article or process used in or for the purpose of the work in respect of which I am employed unless or until such royalty, gratuity or commission has been authorized in writing by the employer.

8. I shall **support the professional and technical societies** of my discipline.

9. I, in connection with work in **country other than my own**, **shall order my conduct according to these rules**, as far as they are applicable; but where the country has recognized standards of professional conduct, I shall adhere to them.

10. I shall **not offer, guide, solicit or receive, either directly or indirectly any political contribution** in an amount intended to influence the award of a contract by the public authority.

11. I **solemnly promise** I **shall avoid bribery and extortion** in any form. If I encounter such acts done by any member, I shall be **ethically bound to report** it to the Ethical Review Board (ERB) of IEB. (ERB is to be formed)

-ERB deals with **issues** like bribery, extortion, and other forms of professional misconduct, as outlined in the IEB's code of ethics.
-Members of IEB are ethically bound to report any instances of bribery or extortion to the ERB, according to IEB Membership Forms.

12. I shall **continue my professional development** **throughout my career**, and shall **provide opportunities and support** for the professional development of the engineers under my supervision.

13. A member **who shall be convicted by a competent tribunal of criminal offence,** which in the opinion of the disciplinary body renders **him unfit to be a member**, shall be deemed to have been guilty of improper conduct.

So far we have discussed today:

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- **Importance of Consulting Engineers.**
- **Who is Consulting Engineers?**
- **Responsibilities of Consulting Engineers**
- **What is BACE?**
- **Characteristics of Consulting Engineers**
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Thank you