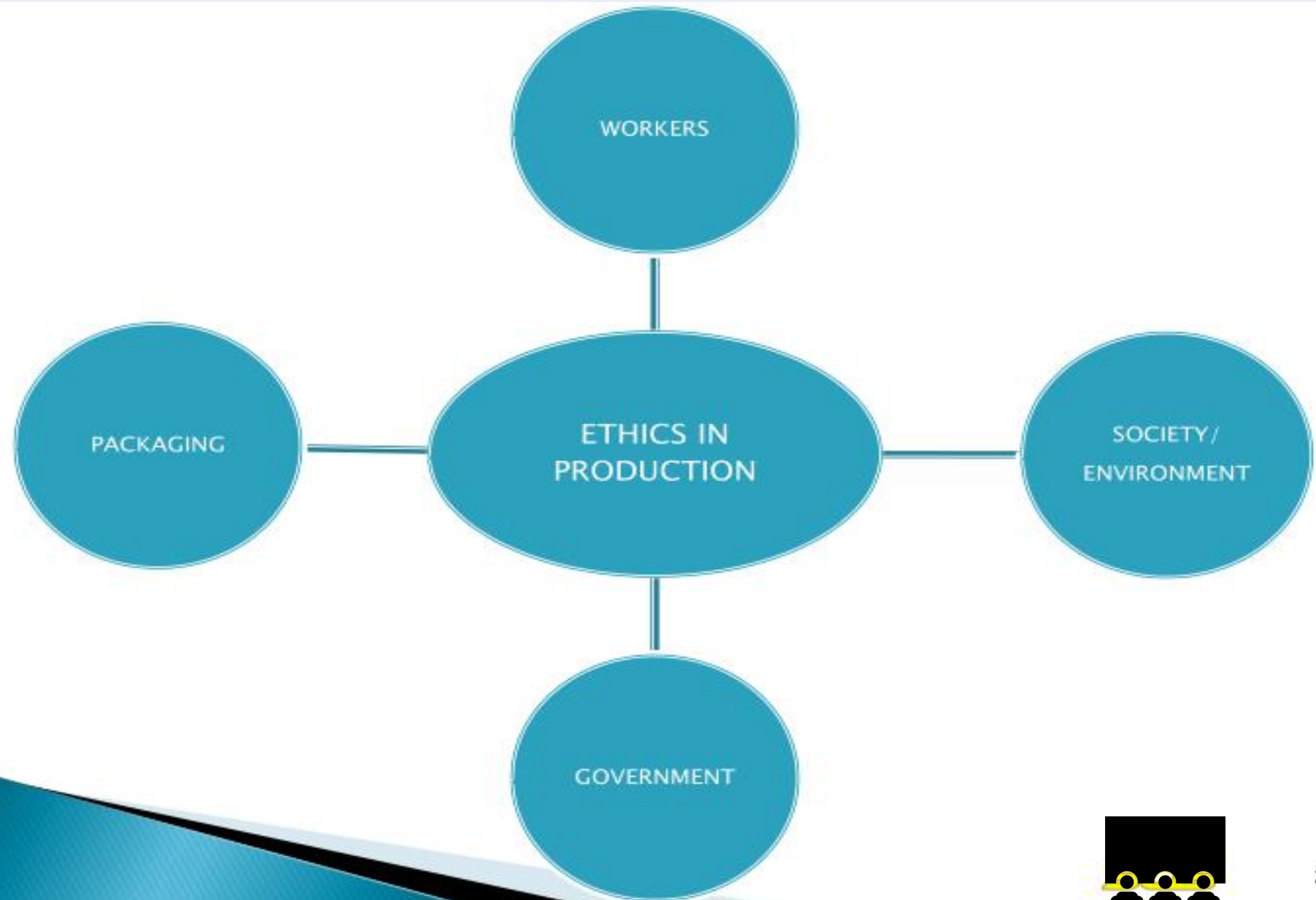


UNIT III

ETHICS IN MANUFACTURING



WHAT IS ETHICAL MANUFACTURING?

- ❖ ***Ethical manufacturing is a holistic approach to the manufacturing process that focuses on good health for all involved.***
- ❖ ***It ensures all parts of their product production is safe, efficient, and focuses on the health of the workers.***
- ❖ ***An ethical business does not sacrifice worker safety or worker health for increased productivity.***
- ❖ ***Workers in an ethical business are treated fairly, with balanced work hours, appropriate compensation, and thorough protection against injury.***

REQUIREMENTS

- 1. Maintaining a Safe and Ethical Manufacturing Environment***
- 2. Operating a Fair and Secure Workplace***
- 3. Reducing Harm to the Environment***
- 4. Provide Safe Products***
- 5. Employees of all levels are treated with respect.***
- 6. Employees are paid a fair, legal wage - and ideally, a living wage.***
- 7. Employees work reasonable hours and are working at-will: no bonded labor, no underage employment, the doors are unlocked, and they are free to leave at any time.***
- 8. A safe work environment where repairs are made and safety equipment is available.***
- 9. Ideally, all employees receive benefits and healthcare.***

Ethical issues related to Govt.

- ▶ Regarding registration of new industries
- ▶ Regarding NOC`s
- ▶ Regarding land allocation
- ▶ Regarding plant layout
- ▶ Proper periodic inspection
- ▶ Regarding implementation of rules



Ethical issues related to worker:–

- ▶ Working environment
- ▶ Odd jobs
- ▶ Proper work study
- ▶ Proper incentives
- ▶ Safety issues
- ▶ Training program



Ethical issues related to Society And Environment:–

- ▶ Air
- ▶ Water
- ▶ Soil
- ▶ Noise
- ▶ Living Creatures



Packaging:–

- Materials used to wrap or protect goods.
- The business or process of packing goods.



Ethical Issues related to packaging:–



- a) Label information
- b) Packaging graphics
- c) Packaging safety
- d) Environmental issues
- e) Amount of packaging material used
- f) Disposal



BHOPAL GAS TRAGEDY:-

- ▶ What happened at the Bhopal Disaster?
 - 45 tons of Methyl Isocyanate (MIC) gas escaped from two underground storage tanks at a Union Carbide pesticide plant
- ▶ When did it occur?
 - December 3, 1984
- ▶ Where did it occur?
 - Bhopal, India



Statistics:–

- ▶ Official immediate death toll – 2256
- ▶ Government of Madhya Pradesh toll – 3787
- ▶ Others estimate death within two weeks– 8000
- ▶ According to government affidavit in 2006
 - (a) Injuries–558,125
 - (b) Temporary partial–38,478
 - (c) Permanently disabling injuries–3900

*...And you thought only weapons
could cause Mass Destruction*





Earlier leaks:-

- ▶ In 1981, a worker got splashed with phosgene. In panic, he ripped off his mask, thus inhaling a large amount of phosgene gas which resulted in his death 72 hours later.
- ▶ Again in January 1982, there was a phosgene leak, when 24 workers were exposed and had to be admitted to hospital . **None of the workers had been ordered to wear protective masks.**
- ▶ A similar incident occurred in February 1982, when an MIC leak affected 18 workers.

