The integrated approach to ENVIRONMENTAL MANAGEMENT

FROM

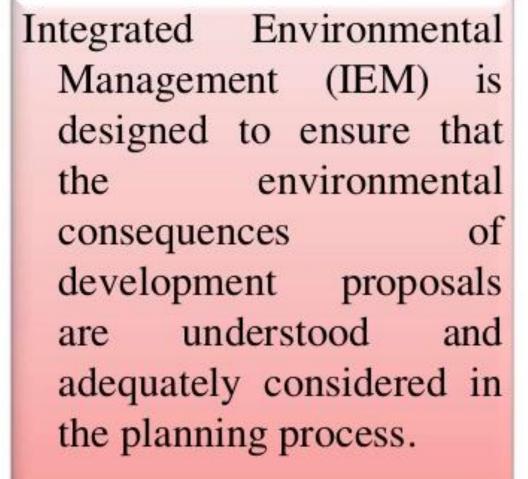## SCHOOL OF STUDIES IN ENVIRONMENTAL SCIENCE JIWAJI UNIVERSITY, GWALIOR, M.P.

INTRODUCTON

- Environmental management refers to the management of modern human society with, and its impact on, the environment. Because natural resources are finite and limited, they can only support a certain population within any species.

- Environmental management means different things to different people.

DEFINITION OF ENVIRONMENTAL MANAGEMENT

- ADMINISTRATIVE FUNCTIONS THAT DEVELOP, IMPLEMENT, AND MONITOR THE ENVIRONMENTAL POLICY OF AN ORGANIZATION.

- ENVIRONMENTAL MANAGEMENT IS A DECISION – MAKING PROCESS WHICH REGULATES THE IMPACT OF HUMAN ACTIVITIES ON THE ENVIRONMENT IN SUCH A MANNER THAT THE CAPACITY OF THE ENVR. TO SUSTAIN HUMAN DEVELOPMENT WILL NOT BE IMPAIRED.

Integrated Environmental Management (IEM) is designed to ensure that the environmental consequences of development proposals are understood and adequately considered in the planning process.

IEM

Integrated Environmental Management

Develop environmentally sustainable, economically viable and socially acceptable
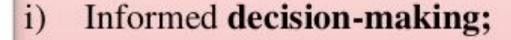
vision

- *The* **vision** *for IEM,* *according to the Department of Environmental Affairs and Tourism, (1998),* is to lay the foundation for **environmentally sustainable development** based on **integrated** and holistic environmental **management practices** and processes.

THE BASIC PRINCIPLES OF IEM

The basic principles underpinning IEM are that there be:

i)   Informed **decision-making;**

ii) Accountability for information on which **decisions** are taken;

iii) **Accountability** for decisions taken;

iv) A broad meaning given to the term *environment* (i.e. one that includes **physical, biological, social, economic, cultural, historical and political components**);
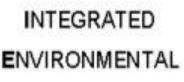
v) An open, **participatory** approach in the planning of **proposals**;

vi) Consultation with interested and affected parties;

vii) Due consideration of alternative options;

viii) An attempt to mitigate negative impacts and enhance positive aspects of proposals;

INTEGRATED ENVIRONMENTAL MANAGEMENT (IEM)

DECISION-MAKING INSTRUMENTS	MANAGING INSTRUMENTS	MONITORING INSTRUMENTS
• Strategic Environmental Assessment (SEA) • Environmental Impact Assessment (EIA) • Environmental Optimisation Assessment (EOA) • Cost-benefit Analysis (CBA)	• Environmental Management Programme (EMP) • Environmental Management System (EMS) • Life-cycle analysis	• Auditing • Compliance Management COMMUNICATION AND INFORMATION TOOLS

jitenderanduat@gmail.com

WHY (IEM)

- – Improved cost-effectiveness of different **policy measures**,

- – Improved **fame** and "competitiveness" of the city (local authority),

- – Enhanced environmental **awareness** of citizens, local authority staff and stakeholders,

- – Enhanced **partnership** and **communication** between the citizens and the leaders of the city, creating networks,

- – Cost savings through reduced resources and utilities, improving economic competitiveness through cutting costs,

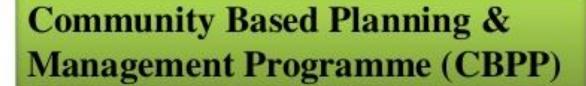- – Contribute to national and European objectives on the Environment
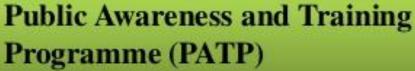
ENVIRONMENTAL STRATEGIES

- Legislation
- Own Activities / Infrastructure
- Support Services
- Conservation
- Public Participation
- Education and Training
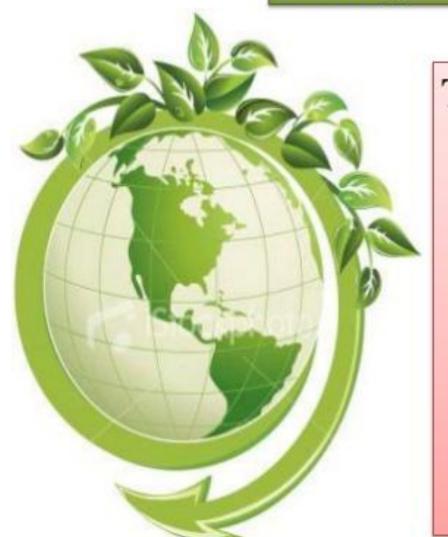- Implementation Programmes

Community Based Planning & Management Programme (CBPP)

This programme will aim to promote and co-ordinate structured *community ownership of their environmental* resources

Public Awareness and Training Programme (PATP)

This programme will aim to create *awareness amongst the* general public regarding various environmental issues as well as ensure training for both the community

Management Programme (MANP)

This programme will aim to constantly manage and control *environmental impacts through strategic studies and action* frameworks as well as procedural development

Standards and Guidelines Programme (STGP)

This programme will aim to provide *standards, guidelines* and /or *manuals for any procedural activities to address the* environmental issues

REFERENCE

- MLM Integrated Environmental Plan – Draft Report August 2004

- http://www.nwpg.gov.za/soer/FullReport/enviromental%20management.html

- http://www.umgeni.co.za/sustainable_development/e.asp

- http://www.enviropaedia.com/topic/default.php?topic_id=141

- http://www.ricoh.com/environment/management/outline.html

- http://ec.europa.eu/environment/urban/home_en.htm

- Integrated Environmental Management, Guidance in relation to the Thematic Strategy on the Urban Environment, European Communities, 2007