You are interested in Environment at management, their installation, implementation and maintenance.

why environmental management ?

Well, think about financial management, is a management of financially management of products of processes.

That reasons environmental management is managing environment!? Yes 4 No.

we have to start accepting that everything we do affects the management.

It even extends down to the way our bodies are dealt with after death # [Speak about crematoriums quandfills].

Obviously some of the effects are bigger than the other. Yet each of these effects are interrelated. The relationship becomes interrelated.

the relation can sometimes disperse the impact and lensen it, while in other case it can multiply the strength of impact in a cumulative manner.

See, in one sense "it "is true that the whole interaction of individuals and the environment is so complicated that we have to accept we cannot control or manage the effects.

we might not be in a position to manage something an complex as a planetary eco-system without unforeseen results and/or problem arising.

Managing the environment is thus a contradiction in term without added complexity of ideas like "managing for sustainability

Thus environmental management does not seek direct management indirect, but nonetheless effective, route of managing an organizations activities that gives rise to impacts upon environment the focus becomes the interaction between organization of

Environ est

So why bother about of?

All biological organisms rely on the effective non of their feedback loops for their survival to give them clear and accurate information on the world around them.

Evolution displays a tendency overtime to favour those organisms with better feedback to the more one can sense, the better chance of survival corporate organisms display the same characteristics.

A management system can be seen as a way improving those feedback loops in organization.

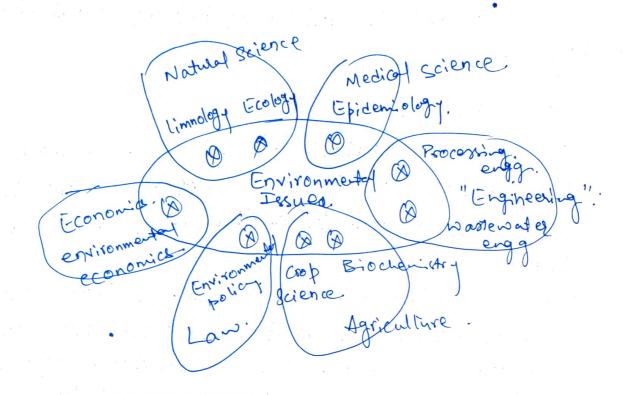
An EMS specifically improves the feedback about constantly evolving area on environmental protection

Sustainability vaguely means meeting our own needs without compromising the ability of future generations to meet their own needs.

Pt would save huge tonnes of steel in a year.

Sustainability is the process of living within the limits of anodlable physical, natural of social resources in ways that allow the living systems in which humans are embedded by to thrive in perpetuity"

Interdisciplinary characteristics of environmental



world commission on environment of development in 1983.
(Burtland commission) defines sustainability as -

"development that meets the needs of the present without compromising the abolish of future generations

three pellace of southinabelling.

thuman communities — Economy ecological integrity in Balance, while natural resources are consumed by humans at a rate that they have access to the resources. Whiversal human rights & basic Economic Systems are intact and Secure their family healthy if

ensuring possonal, tabour & cultural rights respected.

The environment surrounds and affects man, while main affects the environ-ment back.

The environment is made up of both biophysical and socio-

It includes not only the areas of air, water, plants and animals but also other natural and man (made) modified feature constitutes totality of surrounding.

Thus, since man affects environment the responsibility of taking furposeful collective action that may harmonise human existance with the rest of environ -ment is on man.

Despite all the technological developments, man is yet to possess adequate capability of and holistic des responsibility which would enable him to ensure a total harmonious relationship with environment.

Environmental Problem: needs perceived to require mitigative of problem is basically a gap b/t what is and what our or be, between what we have and what we want or can be hope to achieve.

Conséquences of Rapid urbanization.

Competitive use of resources.

Major environmental Problems water management deforestation and land degradation. Air pollution Climate change. water management - not only an environmental issue but also as a major challenge to economic development Fresh water is executival to agriculture & industrial production. Basic requirement for al. water resource has multiple users of uses but in-adequate management of competitive use has frequently facilitated their over explostation and degradation. The depletion of such resources has created, large economic cost to be faid. not just by increasing the cost of obtaining a direct input to production but also through damaging impacts to enveronmental systems & human health! Therefore water management is not only an environmental issue, but as a major challenge to economic development. water management: efficiency of water wage; degradation of water resources through pollution or overuse; allocation between competing uses such as agriculture, drinking water natural ecosystems of industry; flood control; treatment of waste water is water storage Co-ordination between wers at a local, national on international level

on nearly about 70% of water is required for appliculture. So, water shortages undercut food security and incomes of rural farmers.

Illness associated with contaminated water.

If supplies continue to deg deteriorate as demand rise, the costs of obtaining usable water, suchas drilling for ground water will rise.

toother

Deforestation & Land degradation ...

The romand bractices each as clear felling > exocior

Tree removal practices such as clear felling -> exosion and soil salinhity as well as disturbance of ground water table.

In dry lands, due to deforestation the fertile lands have transferred to barrier lands - describination.

Sufficient degradation of land is very difficult for reclaimation.

Demand for timber, palm ofle, Intensive farming, urban Sprawl.

Alco fer times, poor regulation corruption to allow unsustainable practices.

Land degradation becomes major economic issue because of insufficient supply a valer, productive land is a necessary food security. Access to food not only support labour faction, well being and development of economic labour faction, well being and development of economic issue because

This might even happen due to poor mangement practices, tacticularly in agriculture causing erosion of soil, then rising salining and contamination by pesticides.

In many places (South east toin) document of swampy peatland, usually intended for agricultural purposes coursing land to Subside, become highly acidic and thus write for use.

fir Pollution.

trocess to clean air is a principal determinat & human health as well as overall condition of other organisms lenvironmental processes.

out door Industrial production Air pollution motorized transportation

Infact it is due to central processes under pinning the global economic growth.

Indoor Stack of development - Absence of affordable alternatives air pollution for burning of solids - timber I dung for energy, despite their horized effects

It is the primary cause of allness for both growing Cities as well as poorer rural areas.

Putting to pay economic toll interms of productivity of income of labour force

Climate change: with a large pollution in low-lying areas & Coastal areas, wide spread water insecurity & around 2/3rds a world's poorest peoply, the region is likely to suffer extensive damages in future.

Now the full force of development impacts will not be realized for many decades, the climate change will be a contemporary issue.

S Rising maximum or minimum temperatures.
Change in rainfall pattern

creater intensity of extreme weather events, includence of flooding of tropical disease then decline of marine executions are four of the

then, decline of marine ecosystem are few of the concerns for (future) near.

Deforestation & emmission of black carbon are major drivers of global warming both interms of contribution of their mitigation could be low cost option with short term benefits.

Energy demand is expected to explode with ongoing economic expansion, accordingly coal use and greenhouse gas emmission

Now "green growth" pathway might reduce the impact of potentially major stumbling blocks are sing from climate change such as food a water insecurity, environmental refigees and conflict among others.

for ego, renewable energy generation and also increasing energy security.