

Q2(a) What were the main objectives of clean development mechanism? Also explain the reasons for the criticism on Kyoto protocol by the development countries.

Overview of Clean Development Mechanism (CDM)

The Clean Development Mechanism (CDM), defined in Article-12 of the protocol, allows a country with an emission-reduction under the Kyoto Protocol to implement an emission reduction project in developing countries. Such projects can earn saleable certified emission-reduction (CER) credits, each equivalent to one ton of CO_2 , which can be counted towards meeting Kyoto targets. A (CDM) project activity might involve for example, A rural electrification project using solar panels or the installation of more energy-efficient boilers. The mechanism stimulates sustainable development and emission reductions, while giving industrialized countries some flexibility in how they meet their emission reduction or limitation targets.

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CDM OBJECTIVES :-

International Treaty Held in 1997 under Kyoto Protocol -

The main goal of Clean development mechanism is the reduction of green house gases -

- Help developed countries to meet gas emission reduction targets -
- Encourage development in developing countries
- Transfer of environmentally sound technologies in developing countries -

CRITICISM

- Treaty is not fair as it is not forcing penalties towards developing countries -
- Treaty does not apply limits on the emissions of certain gases e.g Hydrofluro Carbons gases -
- Some projects implemented without financial incentives provided by clean Development Mechanism -

(b) Differentiate between Sanitary and industrial Landfills, also describe the Land selection criteria for Landfills -

Sanitary

Industrial

-> Used to dispose solid waste -

-> For Industrial waste

-> Designed to protect environment and Public health -

-> Protection of human health and environment

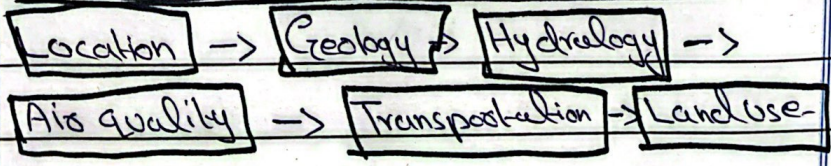
-> Regulated by Environment Protection Agency. (EPA)

-> Regulated by EPA -

-> Meet strict guidelines for construction, operation and closure -

-> Meet specific protection guideline

Land Selection Criteria for Landfills.



Land Selection criteria for Landfills typically include factors such as distance from population

centness, geological stability, soil composition, and underground water depth. Compatibility with local regulations, environmental impact assessments, and public opinion are also crucial considerations. The goal is to minimize environmental impact and potential hazards while efficiently managing waste.

