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Recent Green Developments and Control of Green House Gas Emission and Climate Change

Panel: Environmental Issues

The green house gas emission from degradable liquid and solid wastes contributes nearly 50% of the carbon emission on the climatic change. Highly degradable solid and liquid wastes generated mainly from agro based industries such as Agriculture wastes, abattoirs, distilleries, sugar mills, tanneries etc., have large potential for biomethanisation and energy generation which are currently wasted to a large extent. In addition the quantity of the degradable wastes gets reduced by 50% to 90% there is potential for control of green house gas emission and convert them into useful energy. The digested residual sludge becomes a bio- fertilizer.

With a view to ensure environmentally compatible and sustainable development, demonstration projects have been implemented and disseminated under Clean Development Mechanism (CDM) in India and other countries. In addition to the technological development, this paper deals with associated aspects such as socio economical, education, training and dissemination etc. in India.