GHG emission reductions: Saving the ozone layer from India

Project Information



This project is part of the Clean Development Mechanism of the United Nations Framework Convention on Climate Change, and has been authorised under article 12 of the Kyoto Protocol





We are extremely proud to support the world's first industrial CDM project certified by the CDM Executive Board. This project innovation is a result of an international technical collaboration between the UK, Switzerland, Netherlands, Italy, Japan, and India.

This important milestone leads to significant, real and verifiable reductions in greenhouse gas emissions. Together, we have the power to embrace emission capture technology to save our planet.





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Fugitive emissions are among the most potent and long-lived ozone depleting substances and gases that can enter the Earth's atmosphere.

Hydrofluorocarbon 23 (HFC 23) is one of these, and is a key material that is used in refrigeration and as a feedstock for PTFE. The emission of HFC 23 can be prevented but investment in technology is required.





This project has developed and built facilities that now capture HFC gases into substances with no or lower global warming potential, reducing the impact that such gases would have on our climate if they were released.



Introduction

Location and aim of this project

- This project is located in Western India.
- This project has the protection of the environment at its core and aims to deliver a cleaner and greener environment through the conversion of HFC (hydrofluorocarbon) gases into substances with no or lower global warming potential.

Aims and Objectives

- Contribute to the global initiatives towards mitigation of climate change through a reduction in GHG emissions.
- Transfer of technology for CO2 abatement and reduction of greenhouse gas emissions and its testing and development.



This project contributes to the sustainable development of the region and country by facilitating and catalysing sustainable operations, thereby creating economic, social and environmental value.

The strategic objectives identified by the project include improved management of natural resources in the vicinity of the project activity, increased rural incomes, reduced vulnerability and empowerment of the vulnerable sections of society.

Social and Economic benefits





- → This project contributes to the development of the local economy and job creation, particularly in rural areas, which is a priority concern for Government
- → Creation of employment opportunities in these areas has long been recognized as key for sustainable development and to stem the mass exodus from rural to urban areas. In this sense, it helps to build capacity and empower vulnerable sections of the rural communities in the vicinity of the project.
- → This project has also proved to indirectly increase income security of vulnerable sections of the society through redistribution benefits on account of the economic activities associated with the project (including job opportunities for day-to-day maintenance and security, as well as a faster development of connectivity for the region).
- → The development of this project improves micro-economic efficiency of the sector through various innovations incorporated in its activities.



Environmental benefits

A greener future

- → The activities linked to this project result in significant reductions in GHG emissions by converting HFC (hydrofluorocarbon) gases into substances with no or lower global warming potential. In this sense, this project originally contributes to the protection and preservation of the ozone layer, reducing the impact that such gases would have on our climate if they were released.
- → Moreover, in light of the overall water scarcity in the region, this project contributed to the construction of water management structures like check dams. This directly supports the mitigation of water and natural resources scarcity in and around the project area.









"We are delighted that both GFL and Foosung are the first industrial projects in the world to be registered by the United Nations Framework on Climate Change (...) both are very positive projects that will deliver significant and sustainable greenhouse gas reductions that would not have occurred if it was not for the Clean Development Mechanism"

David Price CEO, INEOS Fluor



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