



## India: Energy Efficiency Project of Farmers Cooperative

### Short Description

The purpose of project is to upgrade the existing plant technology with energy efficient technology and to reduce the specific steam consumption ratio.

- Project type: Energy efficiency
- Type of certificate: VER
- Quality standard:-The project has been validated by DNV in accordance with the Voluntary Carbon Standard V1 according to UNFCCC requirements for CDM projects and is registered as a CDM project activity.



### Project Background

The purpose of project is to upgrade the existing plant technology with energy efficient technologies and to reduce the Specific Steam Consumption Ratio (SSCR) of the attached fertilizer plant. The activity consists in various projects which fall into the category of new technology alternatives, retrofits, new design and waste heat recovery. Since the energy efficiency projects are being implemented in various sections of the plant, the performance of one project is linked to other project. Therefore these projects are implemented in all plants in an integrated manner to achieve maximum energy savings.

The main target is the reduction of steam consumption in the plant, which in turn results in the reduction in fuel fired in the boilers (coal, natural gas, naphtha, Low Sulphur Heavy Stock (LSHS)) and in the reduction of CO<sub>2</sub> emissions.

Due to the Urea Pricing Policy of the Indian Government, the project gets a reimbursement based on the cheapest fuel, which leads to minimal monetary returns for the implementation of energy efficiency retrofit schemes. For this reason the project activity is the only project of this type in the Indian fertilizer industry and it has large replication potential for further substantial reduction in CO<sub>2</sub>.

### Sustainable Development

The project activity is located in a rural setting and contributes to the environmental and social issues locally and globally through:

- Reduction of the consumption of fossil fuels
- Reduction of the pace of depletion of natural resources.
- Increase in local employment in the area of skilled / unskilled job opportunities during the construction phase of the project activity and through ameliorating the economic status of the rural community
- Aiding in capacity building of higher technology for local employees.

