



Annotation to the format for identifying and defining CDM activity in cement industry:

Clean Development Mechanism (CDM) is designed to encourage ways and means in human activities that bring down emission of Green House Gases (GHGs) such as Methane (CH₄), Nitrous Oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs) Sulphur hexafluoride (SF₆) and Carbon Dioxide (CO₂) in the direction of minimizing Global Warming. CO₂ being the predominant emission with largest volume, all emissions are expressed in terms of CO₂ with specified conversion factors.

Various industrial activities that conserve energy/fuel do qualify as CDM activity. An activity/installation of a system or machinery, which helps to reduce the emission of green house gases directly or indirectly in comparison to the previous status or in comparison to the general yardsticks applicable in the industry for the said activity do qualify as CDM activity. The impacts of such activity are measured in the lines of conservation of fuel, thermal energy or reduction in carbon-bearing raw materials (eg. Limestone). For this purpose methodologies are defined, which are to be duly approved by CDM-Executive Board.

The following are a few approved methodologies under which some cement plants got registered for availing carbon credits:

- ACM 0003: Consolidated Baseline Methodology for Emission Reduction through Partial Substitution of Fossil Fuels with alternate Fuels in Cement Plants.
- ACM 0004: Consolidated Baseline Methodology for Waste Gas/Heat/Pressure for Power Generation.
- ACM 0005: Consolidated Baseline Methodology for increasing the Blend in Cement Production.
- AM 0024: Baseline Methodology for Greenhouse Gas Reduction through Waste Heat Recovery for Power Generation at Cement Plants.
- AM 0033: Use of Non-Carbonated Calcium Sources in the Raw Mix for Cement Processing.
- AM 0040: Baseline and Monitoring Methodology for Project Activities using Alternative Raw Materials that contain Carbonates in Clinker Manufacturing in Cement Kilns.

The case of some cement plants got rejected or put for review as they have failed to substantiate their logistics. Thus, there is no guarantee that all the above activities would fetch carbon credits, unless the exercises are defined in terms of 'Additionality' and 'Baseline' associated with defined and approved 'Verification Methodology'. For this purpose, in order to help the consultants in authoring the verifiable tools and computing the possible credits, the cement plants are required to furnish their CDM-related activities in the following format.



Format for identifying the activity/system in cement plant that can be translated into CDM Activity:

1) Description of Activity/System, which is to be translated as CDM activity:		Date of Installation:
Status of power/inputs prior to installation	Impact after installation in terms of applicable units	Nature of records maintained for verifying the impact.
2) Description of Activity/System, which is to be translated as CDM activity:		Date of Installation:
Status of power/inputs prior to installation	Impact after installation in terms of applicable units	Nature of records maintained for verifying the impact.



3) Description of Activity/System, which is to be translated as CDM activity:		Date of Installation
Status of power/inputs prior to installation	Impact after installation in terms of applicable units	Nature of records maintained for verifying the impact.
4) Description of Activity/System, which is to be translated as CDM activity:		Date of Installation
Status of power/inputs prior to installation	Impact after installation in terms of applicable units	Nature of records maintained for verifying the impact.

Note: Further sheets may be added if more activities/systems are identified.