



Tracking Tool for Climate Change Mitigation Projects (For Terminal Evaluation)

Special Notes: reporting on lifetime emissions avoided

Lifetime direct GHG emissions avoided: Lifetime direct GHG emissions avoided are the emissions reductions attributable to the investments made **during the project's supervised implementation period**, totaled over the respective lifetime of the investments.

Lifetime direct post-project emissions avoided: Lifetime direct post-project emissions avoided are the emissions reductions attributable to the investments made outside the project's supervised implementation period, but supported by financial facilities put in place by the GEF project, totaled over the respective lifetime of the investments. These financial facilities will still be operational after the project ends, such as partial credit guarantee facilities, risk mitigation facilities, or revolving funds.

Lifetime indirect GHG emissions avoided (top-down and bottom-up): indirect emissions reductions are those attributable to the long-term outcomes of the GEF activities that remove barriers, such as capacity building, innovation, catalytic action for replication.

Please refer to the Manual for Calculating GHG Benefits of GEF Projects.

[Manual for Energy Efficiency and Renewable Energy Projects](#)
[Manual for Transportation Projects](#)

For LULUCF projects, the definitions of "lifetime direct and indirect" apply. Lifetime length is defined to be 20 years, unless a different number of years is deemed appropriate. For emission or removal factors (tonnes of CO₂eq per hectare per year), use IPCC defaults or country specific factors.

| General Data | Results at Terminal Evaluation | Notes |
|--|---|--|
| Project Title | Enabling Activities for Preparation of India's Second National Communication to UNFCCC | |
| GEF ID | PIMS 2964 | |
| Agency Project ID | | |
| Country | India | |
| Region | SAR | |
| GEF Agency | UNDP India | |
| Date of Council/CEO Approval | July 1, 2007 | Month DD, YYYY (e.g., May 12, 2010) |
| GEF Grant (US\$) | 3,413,740 | |
| Date of submission of the tracking tool | April 15, 2013 | Month DD, YYYY (e.g., May 12, 2010) |
| Is the project consistent with the priorities identified in National Communications, Technology Needs Assessment, or other Enabling Activities under the UNFCCC? | 1 | Yes = 1, No = 0 |
| Is the project linked to carbon finance? | 0 | Yes = 1, No = 0 |
| Cumulative cofinancing realized (US\$) | 3000000 | |
| Cumulative additional resources mobilized (US\$) | - | additional resources means beyond the cofinancing committed at CEO endorsement |

Objective 1: Transfer of Innovative Technologies

Please specify the type of enabling environment created for technology transfer through this project

| | | |
|--|---|-----------------|
| National innovation and technology transfer policy | 0 | Yes = 1, No = 0 |
| Innovation and technology centre and network | 1 | Yes = 1, No = 0 |
| Applied R&D support | 1 | Yes = 1, No = 0 |
| South-South technology cooperation | 0 | Yes = 1, No = 0 |
| North-South technology cooperation | 0 | Yes = 1, No = 0 |
| Intellectual property rights (IPR) | 0 | Yes = 1, No = 0 |
| Information dissemination | 1 | Yes = 1, No = 0 |
| Institutional and technical capacity building | 1 | Yes = 1, No = 0 |
| Other (please specify) | | |
| Number of innovative technologies demonstrated or deployed | - | |

Please specify three key technologies for demonstration or deployment

| | | |
|---|---|---|
| Area of technology 1 | | |
| Type of technology 1 | | specify type of technology |
| Area of technology 2 | | |
| Type of technology 2 | | specify type of technology |
| Area of technology 3 | | |
| Type of technology 3 | | specify type of technology |
| Status of technology demonstration/deployment | 0 | 0: no suitable technologies are in place 1: technologies have been identified and assessed 2: technologies have been demonstrated on a pilot basis 3: technologies have been deployed 4: technologies have been diffused widely with investments 5: technologies have reached market potential |
| Lifetime direct GHG emissions avoided | - | tonnes CO ₂ eq (see Special Notes above) |
| Lifetime direct post-project GHG emissions avoided | - | tonnes CO ₂ eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (bottom-up) | | tonnes CO ₂ eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (top-down) | | tonnes CO ₂ eq (see Special Notes above) |

| Objective 2: Energy Efficiency | | |
|--|---|--|
| Please specify if the project targets any of the following areas | | |
| Lighting | 0 | Yes = 1, No = 0 |
| Appliances (white goods) | 0 | Yes = 1, No = 0 |
| Equipment | 0 | Yes = 1, No = 0 |
| Cook stoves | 0 | Yes = 1, No = 0 |
| Existing building | 0 | Yes = 1, No = 0 |
| New building | 0 | Yes = 1, No = 0 |
| Industrial processes | 0 | Yes = 1, No = 0 |
| Synergy with phase-out of ozone depleting substances | 0 | Yes = 1, No = 0 |
| Other (please specify) | 0 | |
| Policy and regulatory framework | 0 | 0: not an objective/component 1: no policy/regulation/strategy in place 2: policy/regulation/strategy discussed and proposed 3: policy/regulation/strategy proposed but not adopted 4: policy/regulation/strategy adopted but not enforced 5: policy/regulation/strategy enforced |
| Establishment of financial facilities (e.g., credit lines, risk guarantees, revolving funds) | 0 | 0: not an objective/component 1: no facility in place 2: facilities discussed and proposed 3: facilities proposed but not operationalized/funded 4: facilities operationalized/funded but have no demand 5: facilities operationalized/funded and have sufficient demand |
| Capacity building | 5 | 0: not an objective/component 1: no capacity built 2: information disseminated/awareness raised 3: training delivered 4: institutional/human capacity strengthened 5: institutional/human capacity utilized and sustained |
| Lifetime energy saved | - | MJ (Million Joule, IEA unit converter: http://www.iea.org/stats/unit.asp) Fuel savings should be converted to energy savings by using the net calorific value of the specific fuel. End-use electricity savings should be converted to energy savings by using the conversion factor for the specific supply and distribution system. These energy savings are then totaled over the respective lifetime of the investments |
| Lifetime direct GHG emissions avoided | | tonnes CO2eq (see Special Notes above) |
| Lifetime direct post-project GHG emissions avoided | | tonnes CO2eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (bottom-up) | | tonnes CO2eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (top-down) | | tonnes CO2eq (see Special Notes above) |

Objective 3: Renewable Energy

Please specify if the project includes any of the following areas

| | | |
|--|---|--|
| Heat/thermal energy production | 0 | Yes = 1, No = 0 |
| On-grid electricity production | 0 | Yes = 1, No = 0 |
| Off-grid electricity production | 0 | Yes = 1, No = 0 |
| Policy and regulatory framework | 5 | 0: not an objective/component 1: no policy/regulation/strategy in place 2: policy/regulation/strategy discussed and proposed 3: policy/regulation/strategy proposed but not adopted 4: policy/regulation/strategy adopted but not enforced 5: policy/regulation/strategy enforced |
| Establishment of financial facilities (e.g., credit lines, risk guarantees, revolving funds) | 5 | 0: not an objective/component 1: no facility in place 2: facilities discussed and proposed 3: facilities proposed but not operationalized/funded 4: facilities operationalized/funded but have no demand 5: facilities operationalized/funded and have sufficient demand |
| Capacity building | 5 | 0: not an objective/component 1: no capacity built 2: information disseminated/awareness raised 3: training delivered 4: institutional/human capacity strengthened 5: institutional/human capacity utilized and sustained |

Installed capacity per technology directly resulting from the project

| | |
|--|--|
| Wind | MW |
| Biomass | MW el (for electricity production) |
| Biomass | MW th (for thermal energy production) |
| Geothermal | MW el (for electricity production) |
| Geothermal | MW th (for thermal energy production) |
| Hydro | MW |
| Photovoltaic (solar lighting included) | MW |
| Solar thermal heat (heating, water, cooling, process) | MW th (for thermal energy production, 1m ² = 0.7kW) |
| Solar thermal power | MW el (for electricity production) |
| Marine power (wave, tidal, marine current, osmotic, ocean thermal) | MW |

Lifetime energy production per technology directly resulting from the project (IEA unit converter: <http://www.iea.org/stats/unit.asp>)

| | |
|---|--|
| Wind | MWh |
| Biomass | MWh el (for electricity production) |
| Biomass | MWh th (for thermal energy production) |
| Geothermal | MWh el (for electricity production) |
| Geothermal | MWh th (for thermal energy production) |
| Hydro | MWh |
| Photovoltaic (solar lighting included) | MWh |
| Solar thermal heat (heating, water, cooling, process) | MWh th (for thermal energy production) |
| Solar thermal power | MWh el (for electricity production) |
| Marine energy (wave, tidal, marine current, osmotic, ocean thermal) | MWh |

| | |
|---|---|
| Lifetime direct GHG emissions avoided | tonnes CO ₂ eq (see Special Notes above) |
| Lifetime direct post-project GHG emissions avoided | tonnes CO ₂ eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (bottom-up) | tonnes CO ₂ eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (top-down) | tonnes CO ₂ eq (see Special Notes above) |

| Objective 4: Transport and Urban Systems | | |
|---|--|--|
| Please specify if the project targets any of the following areas | | |
| Bus rapid transit | | Yes = 1, No = 0 |
| Other mass transit (e.g., light rail, heavy rail, water or other mass transit; excluding regular bus or minibus) | | Yes = 1, No = 0 |
| Logistics management | | Yes = 1, No = 0 |
| Transport efficiency (e.g., vehicle, fuel, network efficiency) | | Yes = 1, No = 0 |
| Non-motorized transport (NMT) | | Yes = 1, No = 0 |
| Travel demand management | | Yes = 1, No = 0 |
| Comprehensive transport initiatives (Involving the coordination of multiple strategies from different transportation sub-sectors) | | Yes = 1, No = 0 |
| Sustainable urban initiatives | | Yes = 1, No = 0 |
| Policy and regulatory framework | | 0: not an objective/component 1: no policy/regulation/strategy in place 2: policy/regulation/strategy discussed and proposed 3: policy/regulation/strategy proposed but not adopted 4: policy/regulation/strategy adopted but not enforced 5: policy/regulation/strategy enforced |
| Establishment of financial facilities (e.g., credit lines, risk guarantees, revolving funds) | | 0: not an objective/component 1: no facility in place 2: facilities discussed and proposed 3: facilities proposed but not operationalized/funded 4: facilities operationalized/funded but have no demand 5: facilities operationalized/funded and have sufficient demand |
| Capacity building | | 0: not an objective/component 1: no capacity built 2: information disseminated/awareness raised 3: training delivered 4: institutional/human capacity strengthened 5: institutional/human capacity utilized and sustained |
| Length of public rapid transit (PRT) | | km |
| Length of non-motorized transport (NMT) | | km |
| Number of lower GHG emission vehicles | | |
| Number of people benefiting from the improved transport and urban systems | | |
| Lifetime direct GHG emissions avoided | | tonnes CO2eq (see Special Notes above) |
| Lifetime direct post-project GHG emissions avoided | | tonnes CO2eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (bottom-up) | | tonnes CO2eq (see Special Notes above) |
| Lifetime indirect GHG emissions avoided (top-down) | | tonnes CO2eq (see Special Notes above) |

| Objective 5: LULUCF | | |
|--|--|---|
| Area of activity directly resulting from the project | | |
| Conservation and enhancement of carbon in forests, including agroforestry | | ha |
| Conservation and enhancement of carbon in nonforest lands, including peat land | | ha |
| Avoided deforestation and forest degradation | | ha |
| Afforestation/reforestation | | ha |
| Good management practices developed and adopted | | 0: not an objective/component 1: no action 2: developing prescriptions for sustainable management 3: development of national standards for certification 4: some of area in project certified 5: over 80% of area in project certified |
| Carbon stock monitoring system established | | 0: not an objective/component 1: no action 2: mapping of forests and other land areas 3: compilation and analysis of carbon stock information 4: implementation of science based inventory/monitoring system 5: monitoring information database publicly available |
| Lifetime direct GHG emission avoided | | tonnes CO2eq (see Special Notes above) |
| Lifetime indirect GHG emission avoided | | tonnes CO2eq (see Special Notes above) |
| Lifetime direct carbon sequestration | | tonnes CO2eq (see Special Notes above) |
| Lifetime indirect carbon sequestration | | tonnes CO2eq (see Special Notes above) |

| Objective 6: Enabling Activities | | |
|--|---|-----------------|
| Please specify the number of Enabling Activities for the project (for a multiple country project, please put the number of countries/assessments) | | |
| National Communication | 1 | |
| Technology Needs Assessment | | |
| Nationally Appropriate Mitigation Actions | | |
| Other | | |
| Does the project include Measurement, Reporting and Verification (MRV) activities? | 0 | Yes = 1, No = 0 |