

# TECHNICAL TERMS

Annex 1 Countries: Developed Countries with quantified GHG mitigation commitments under Kyoto Protocol

Non Annex 1 Countries: Developing Countries with no quantified GHG mitigation commitments under Kyoto Protocol

Power: The unit of power is Watt (W); 1 megawatt (MW) =  $10^6$  W = 1 000 000 W (1 million Watt);  
1 GW =  $10^9$  W = 1 000 000 000 (1 billion) Watt.

The units of energy used in the Report are: Joule (J) and Watt-hours (Wh)  
1 MJ =  $10^6$  J = 1 000 000 J (1 million Joule); 1 kW =  $10^3$  J = 1 000 J (one thousand Joule)  
1 kWh = 1 kW x 1 hour; 1 MWh = 1 MW x 1 hour = 1 kW x 1 000 hours

Emissions: Expressed in tons of carbon dioxide equivalent, tCO<sub>2</sub>e

Link between units of power and energy:  
1 Watt = 1 Joule per second ( $1 \text{ W} = 1 \text{ J s}^{-1}$ ); 1 kilowatt is one kilojoule per second ( $1 \text{ kW} = 1 \text{ kJ s}^{-1}$ )  
1 Joule = 1 Watt x 1 second ( $1 \text{ J} = 1 \text{ W s}$ )  
1 kWh =  $1 \text{ kJ s}^{-1} \times 1 \text{ hour} = 1 000 \text{ J s}^{-1} \times 3 600 \text{ s} = 3 600 000 \text{ J}$  (i.e. 1 kWh = 3.6 million Joule)

Gigagram - Gg = 1000 metric tons

Greenhouse Gases: Carbon dioxide (CO<sub>2</sub>), Methane (CH<sub>4</sub> 1 ton = 21 tCO<sub>2</sub>e), Nitrous Oxide (N<sub>2</sub>O, 1 tone = 310 tCO<sub>2</sub>e),  
Hydrofluorocarbons (HFCs), Perfluorocarbons (PCFs),  
Sulphurhexafluoride (SF<sub>6</sub>) (Source: 1996 IPCC estimates)

Designated Operating Entities: Firms accredited by the Executive Board to verify and monitor emissions in CDM projects

DNA: Designated National Authority that must accede to CDM project prior to Executive Board will consider project

Baseline Methodology: Calculation of emissions prior to and after CDM project is implemented

Certified Emission Reduction: the amount of tCO<sub>2</sub>e that a CDM project claims is mitigated

Carbon Trading: When a monetary value is ascribed to CER's and it is traded by sellers and buyers of the CER

Flexible Mechanisms: Provision of Kyoto to mitigate GHG emissions, include the CDM and Joint Implementation Mechanism