

Green House Gas Inventory 1990

Greenhouse Gas Source and Sink Category	GREENHOUSE GAS INVENTORY 1990 (Gg) ¹							
	CO ₂ Emissions	CO ₂ Removals	CH ₄	N ₂ O ²	No _x ³	CO	NMVO ⁴	SO ₂
Total National Emissions	14,988	1,524	33.871	1.073	36.858	405.468	93.128	8.750
Removals								
1. Energy Reference Approach	16,454							
Sectoral Approach	9,887		1.428	0.037	36.093	372.906	61.089	8.505
A. Fuel Combustion			1.382	0.037	35.055	151.855	27.879	
B. Fugitive Emissions From Fuels			0.047		1.038	221.051	33.210	8.505
2. Industrial Processes	5,100		0.805	0.000	0.052	14.692	32.039	0.246
3. Solvent and Other Product Use	Ne ⁵			Ne ⁵			Ne ⁵	
4. Agriculture			6.255	0.668	0.413	7.303	N/a	
5. Land Use Change and Forestry		1,524	1.208	0.008	0.300	10.566	N/a	
6. Waste			24.174	0.367				
Memo Items :								
International Bunkers	60.608		0.027	0.000	0.137	0.733	0.177	0.010
Aviation	30.863		0.027	0.000	0.137	0.733	0.177	0.010
Marine	29.744		0.000	0.000	0.000	0.000	0.000	0.000
CO₂ Emissions from Biomass	0.000							

Source: Initial National Communication to the United Nations Framework Convention on Climate Change Environmental Management Authority

Gg¹ – Gigagrams
N₂O² - Nitrogen Dioxide
No_x³ - Nitrous Oxide
NMVO⁴ - Non Methane Volatile Organic Compounds
Ne⁵ - Refers to "Not Estimated"
SO₂- Sulphur Dioxide
CO₂ – Carbon Dioxide

11.3 DEFINITIONS

(i) **Energy Industries**

Comprises emissions from fuels combusted by the fuel extraction or energy producing industries.

(ii) **Industrial Processes**

By-product or fugitive emissions of greenhouse gases from industrial processes. Emissions from fuel combustion in industry are included under Fuel Combustion.

(iii) **Solvent and Other Product Use**

Emissions resulting from the use of solvents and other products containing volatile compounds. When the solvents and other products are, or are produced from, petroleum products, the carbon in the NMVOC emissions will be included in the CO₂ inventory if the Reference Approach for CO₂ emissions from energy is used. All other non-energy emissions not included under Industrial Processes are included here.

(iv) **Agriculture**

All anthropogenic emissions from agriculture except for fuel combustion and sewage emissions.

(v) **Land-use Change and Forestry**

Total emissions and removals from forest and land use change activities (activities impact on three different carbon sources/sinks: aboveground biomass, belowground biomass and soil carbon).

(vi) **Waste**

Total emissions from solid waste disposal on land, wastewater, waste incineration and any other waste management activity. Any CO₂ emissions from fossil-based products (incineration or decomposition) are not included here. CO₂ from organic waste handling and decay are not included here

(vii) **International Bunkers**

Emissions resulting from fuel use in ships or aircraft engaged in international transport.

(viii) **Aviation**

Emissions resulting from fuel use in aircraft engaged in international transport.

(ix) **Marine**

Emissions resulting from fuel use in ships engaged in international transport.