

### **Appendix 3.A**

- (i) Selected Economic Indicators**
- (ii) Forestry Productions by Category**
- (iii) Livestock Population by Category**

# SELECTED ECONOMIC INDICATORS - GUYANA

ITEM	UNIT	1990	1991	1992	1993	1994
Population (end of year)	000	750,648	719,074	738,965	746,949	763,687
Per Capita GDP	US\$	528	485	506	531	612
GDP at current market prices	G\$M	15,665	38,966	46,734	59,124	75,412
GDP at factor cost	G\$M	3319	3519	3792	4104	4452
Breakdown (as % of total)	%					
Agriculture	%	23.6	25.0	28.9	28.3	29.2
Construction	%	7.4	7.1	6.7	6.5	7.1
Services	%	48.4	45.4	42.6	40.7	39.6
Manufacturing	%	11.1	11.6	12.9	12.3	12.0
Mining & Quarrying	%	9.5	10.8	8.9	12.2	12.0
GDP annual growth rate	%	-4.7	6.0	7.8	8.3	8.5
Small Savings Rate	%	27.50	26.18	16.58	9.46	11.20
Prime lending Rate	%	31.00	33.50	25.90	17.45	19.89
Visible trade balance	US\$M	-42.8	-40.7	-51.0	-69.8	-40.6
Balance of payments	US\$M	-193.7	-66.0	-39.3	-49.7	-63.9
Inflation rate	%	118.0	70.3	14.2	7.7	16.1
Visitor's arrival	000	74.5	62.9	94.9	107.3	112.8
Exchange Rate (average)	G\$/US\$	39.53	111.80	125.00	126.82	138.23
Forestry production <sup>1</sup>	Cubic meters	200,367	194,926	221,800	312,586	477,383
Total forest land area	Million hectares	16.45	16.45	16.45	16.45	16.45
Sugar production	tonnes	129,722	162,484	247,010	246,528	256,670
Rice production	tonnes	93,444	156,794	168,274	210,236	233,435
Livestock population <sup>2</sup>		15,564,534	15,575,032	15,508,530	15,515,333	15,493,660

<sup>1</sup> See table on page 249 for breakdown on the various categories of wood.

<sup>2</sup> See table on page 249 for breakdown on the various types of Livestock.

### FORESTRY PRODUCTION BY CATEGORY (000'M<sup>3</sup>)

YEAR	LOGS	ROUNDWOOD	SPLITWOOD	CHAINSAW LOGS	CHARCOAL	FIREWOOD	TOTAL
1990	123.02	9.873	1.185	35.37	4.162	26.757	200.367
1991	128.814	7.358	1.829	33.012	5.272	18.641	194.926
1992	139.451	14.628	1.473	42.44	6.429	17.379	221.8
1993	217.059	14.944	2.342	44.095	10.711	23.435	312.586
1994	376.75	14.371	2.792	47.16	12.875	23.435	477.383

Source: Guyana Forestry Commission

### LIVESTOCK POPULATION BY CATEGORY

YEAR	CATTLE	SHEEP	GOATS	PIGS	HORSES	DONKEYS	CHICKENS	TOTAL
1990	279,534	130,000	77,000	75,000	2,000	1,000	15,000,000	15,564,534
1991	285,032	130,000	77,000	80,000	2,000	1,000	15,000,000	15,575,032
1992	260,530	130,000	79,000	36,000	2,000	1,000	15,000,000	15,508,530
1993	253,333	130,000	79,000	50,000	2,000	1,000	15,000,000	15,515,333
1994	227,099	130,000	79,000	50,000	2,000	1,000	15,000,000	15,493,660

Sources: 1 Ministry of Fisheries, Crops & Other Livestock, Guyana

2 FAO Estimates (1994 Yearbook)

## **APPENDIX 4.A**

### **Greenhouse Gas Emissions and Removals – Tables (1990-1998)**

**TABLE 4.A.1: SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1990.**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
Total National Emissions and (Removals)	1198 (-23,777)	40	1	5	136	4
<b>1 Energy</b> - Reference Approach	1198					
A Fuel Combustion		N.A.	N.A.	N.A.	N.A.	N.A.
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes, Food &amp; Beverage</b>						4
<b>3 Solvent and Other Product Use</b>	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
<b>4 Agriculture</b>		31	1	3	68	
<b>5 Land Use Change and Forestry (a)</b>	-23777	8		2	68	
<b>6 Waste</b>		1				
<b>Memo Items: (b)</b>						
<b>International Bunkers, total</b>	23					
Aviation	18					
Marine	4					
<b>CO<sub>2</sub> Emissions from Biomass</b>	N.A.					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimated  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.

(c) - Because the IPCC software rounds off values, the "Total National Emissions", shown in the table, may not represent the actual summing of values in the sub-headings of the table.

**TABLE 4.A.2: SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES YEAR 1991.**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NMVOC
<b>Total National Emissions and (Removals)</b>	<b>1218 (-24,619)</b>	<b>42</b>	<b>1</b>	<b>5</b>	<b>146</b>	<b>4</b>
<b>1 Energy - Reference Approach</b>	1218					
A Fuel Combustion		N.A.	N.A.	N.A.	N.A.	N.A.
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes, Food &amp; Beverg.</b>						4
<b>3 Solvent and Other Product Use</b>	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
<b>4 Agriculture</b>		33	1	3	78	
<b>5 Land Use Change and Forestry (a)</b>	-24619	8		2	68	
<b>6 Waste</b>		1				
<b>Memo Items: (b)</b>						
<b>International Bunkers, total</b>	23					
Aviation	19					
Marine	4					
<b>CO<sub>2</sub> Emissions from Biomas</b>	N.A.					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimates  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the "Total National Emissions", shown in the table, may not represent the actual summing of values in the sub-headings of the table.

**TABLE 4.A.3: SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1992.**

SUMARRY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NMVOC
Total National Emissions and (Removals)	1266 (25,387)	46	1	6	155	6
<b>1 Energy</b> - Reference Approach	1266					
A Fuel Combustion		N.A.	N.A.	N.A.	N.A.	N.A.
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes, Food &amp; Beverg.</b>						6
<b>3 Solvent and Other Product Use</b>	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
<b>4 Agriculture</b>		37	1	4	87	
<b>5 Land Use Change and Forestry (a)</b>	-25387	8		2	68	
<b>6 Waste</b>		1				
<b>Memo Items: (b)</b>						
<b>International Bunkers, total</b>	27					
Aviation	20					
Marine	7					
<b>CO<sub>2</sub> Emissions from Biomas</b>	N.A.					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimated  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the "Total National Emissions", shown in the table, may not represent the actual summing of values in the sub-headings of the table.

**TABLE 4.A.4: SHORT SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1993**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
Total National Emissions and (Removals)	1320 (-26,066)	47	1	6	161	6
<b>1 Energy</b> - Reference Approach	1320					
A Fuel Combustion		N.A.	N.A.	N.A.	N.A.	N.A.
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes, Food &amp; Beverage</b>						6
<b>3 Solvent and Other Product Use</b>	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
<b>4 Agriculture</b>		38	1	4	93	
<b>5 Land Use Change and Forestry (a)</b>	-26066	8		2	68	
<b>6 Waste</b>		1				
<b>Memo Items: (b)</b>						
<b>International Bunkers, total</b>	28					
Aviation	21					
Marine	7					
<b>CO<sub>2</sub> Emissions from Biomass</b>	N.A.					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimated  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the “Total National Emissions”, shown in the table, may not represent the actual summing of values in the sub-headings of the table.



**TABLE 4.A.5: SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1994.**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES						
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
<b>Total National Emissions and (Removals)</b>	<b>1446</b> <b>(26,664)</b>	<b>51</b>	<b>1</b>	<b>17</b>	<b>208</b>	<b>23</b>
<b>1 All Energy</b>	<b>1446</b>	<b>1</b>		<b>11</b>	<b>45</b>	<b>6</b>
<b>A Fuel Combustion</b>	1446	1		11	45	6
1 Energy Industry	602			3	9	
2 Industry(Manufacturing)	191			1	3	
3 Transport	203			2	22	4
4 Other Sectors (Comm./Resid.;Agri./ect.	450			6	10	1
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>16</b>
A Mineral Products (asphalt use on road)	NO	NO	NO	NO	NO	10
B Chemical Industry	NO	NO	NO	NO	NO	
C Metal Production	NO	NO	NO	NO	NO	
D Beverages and food production						6
<b>3 Solvent and Other Product Use</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>
<b>4 Agriculture</b>		<b>41</b>	<b>1</b>	<b>4</b>	<b>95</b>	
A Enteric Fermentation		14				
B Manure Management		1				
C Rice Cultivation		22				
D Agricultural soils			1			
E Prescribed Burning of Savannah		1			28	
F Field Burning of Agri. Residues		3		4	67	
<b>5 Land-Use Change and Forestry (a)</b>	<b>-26664</b>	<b>8</b>		<b>2</b>	<b>68</b>	
A Changes in Forest & Woody Biomass	-29195					
B Forest and Grassland Conversion	2531	8		2	68	
<b>6 Waste</b>		<b>1</b>				
A Landfill		1				
<b>Memo Items (b)</b>						
(i) International Bunkers, total	<b>28</b>					
- Aviation	24					
- Marine	4					
(ii) Biomass Emissions	<b>1200</b>					

**Key:** 1. (NO) - Not occurring  
2. (NE) - Not estimated  
3. (NA) – Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the “Total National Emissions”, shown in the table, may not represent the actual summing of values in the sub-headings of the table.

**TABLE 4.A.6: SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1995**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES						
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
<b>Total National Emissions and (Removals)</b>	<b>1469 (-27,459)</b>	<b>53</b>	<b>1</b>	<b>18</b>	<b>210</b>	<b>12</b>
<b>1 All Energy</b>	<b>1469</b>	<b>1</b>		<b>11</b>	<b>44</b>	<b>6</b>
<b>A Fuel Combustion</b>	1469	1		11	44	6
1 Energy Industry	561			2	9	
2 Industry(Manufacturing)	178			1	3	
3 Transport	204			2	22	4
4 Other Sectors (Comm./Resid.;Agri./ect.	526			7	11	2
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>6</b>
A Mineral Products	NO	NO	NO	NO	NO	N.A.
B Chemical Industry	NO	NO	NO	NO	NO	
C Metal Production	NO	NO	NO	NO	NO	
D Beverages and food production						6
<b>3 Solvent and Other Product Use</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>
<b>4 Agriculture</b>		<b>44</b>	<b>1</b>	<b>4</b>	<b>98</b>	
A Enteric Fermentation		14				
B Manure Management		1				
C Rice Cultivation		25				
D Agricultural Soils			1			
E Prescribed Burning of Savannah		1			28	
F Field Burning of Agri. Residues		3		4	70	
<b>5 Land-Use Change and Forestry (a)</b>	<b>-27459</b>	<b>8</b>		<b>2</b>	<b>68</b>	
A Changes in Forest & Woody Biomass	-29990					
B Forest and Grassland Conversion	2531	8		2	68	
<b>6 Waste</b>		<b>1</b>				
A Landfill		1				
<b>Memo Items (b)</b>						
(i) International Bunkers, total	<b>30</b>					
- Aviation	26					
- Marine	4					
(ii) Biomass Emissions	<b>1157</b>					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimated  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the “Total National Emissions”, shown the table, may not represent the actual summing of values in the sub-headings of the table

**TABLE 4.A.7: SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1996.**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES						
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
<b>Total National Emissions and (Removals)</b>	<b>1538 (28,423)</b>	<b>57</b>	<b>2</b>	<b>18</b>	<b>215</b>	<b>13</b>
<b>1 All Energy</b>	<b>1538</b>	<b>1</b>		<b>12</b>	<b>48</b>	<b>7</b>
<b>A Fuel Combustion</b>	1538	1		12	48	7
1 Energy Industry	587			3	10	1
2 Industry(Manufacturing)	202			1	4	
3 Transport	253			2	24	5
4 Other Sectors (Comm./Resid.;Agri./ect.	496			8	10	2
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>7</b>
A Mineral Products	NO	NO	NO	NO	NO	N.A.
B Chemical Industry	NO	NO	NO	NO	NO	
C Metal Production	NO	NO	NO	NO	NO	
D Beverages and food production						7
<b>3 Solvent and Other Product Use</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>
<b>4 Agriculture</b>		<b>50</b>	<b>1</b>	<b>4</b>	<b>99</b>	
A Enteric Fermentation		18				
B Manure Management		1				
C Rice Cultivation		27				
D Agricultural soils			1			
E Prescribed Burning of Savannah		1			28	
F Field Burning of Agri. Residues		3		4	71	
<b>5 Land-Use Change and Forestry (a)</b>	<b>-28423</b>	<b>8</b>		<b>2</b>	<b>68</b>	
A Changes in Forest & Woody Biomass	-30954					
B Forest and Grassland Conversion	2531	8		2	68	
<b>6 Waste</b>		<b>1</b>				
A Solid Waste Disposal		1				
<b>Memo Items (b)</b>						
(i) International Bunkers, total	<b>28</b>					
- Aviation	23					
- Marine	5					
(ii) Biomass Emissions	<b>1270</b>					

**Key:** 1. (NO) -not occurring  
2. (NE) - Not estimated  
3. (NA) – data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the “Total National Emissions”, shown the table, may not represent the actual summing of values in the sub-headings of the table

**TABLE 4.A.8: SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1997**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES						
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
<b>Total National Emissions and (Removals)</b>	<b>1663 (-29,259)</b>	<b>57</b>	<b>2</b>	<b>18</b>	<b>216</b>	<b>13</b>
<b>1 All Energy</b>	<b>1663</b>	<b>1</b>		<b>12</b>	<b>49</b>	<b>7</b>
<b>A Fuel Combustion</b>	1663	1		12	49	7
1 Energy Industry	713			3	9	1
2 Industry(Manufacturing)	187			1	4	
3 Transport	257			2	25	5
4 Other Sectors (Comm./Resid.;Agri./ect.	505			6	10	2
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>6</b>
A Mineral Products	NO	NO	NO	NO	NO	N.A.
B Chemical Industry	NO	NO	NO	NO	NO	
C Metal Production	NO	NO	NO	NO	NO	
D Beverages and food production						6
<b>3 Solvent and Other Product Use</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>NE.</b>	<b>NE.</b>	<b>N.E.</b>
<b>4 Agriculture</b>		<b>48</b>	<b>1</b>	<b>4</b>	<b>99</b>	
A Enteric Fermentation		15				
B Manure Management		1				
C Rice Cultivation		27				
D Agricultural Soils			1			
E Prescribed Burning of Savannah		1			28	
F Field Burning of Agri. Residues		3		4	71	
<b>5 Land-Use Change and Forestry (a)</b>	<b>-29259</b>	<b>8</b>		<b>2</b>	<b>68</b>	
A Changes in Forest & Woody Biomass	-31788					
B Forest and Grassland Conversion	2531	8		2	68	
<b>6 Waste</b>		<b>1</b>				
A Landfill		1				
<b>Memo Items (b)</b>						
(i) International Bunkers, total	<b>31</b>					
- Aviation	22					
- Marine	9					
(ii) Biomass Emissions	<b>1248</b>					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimated  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the "Total National Emissions", shown in the table, may not represent the actual summing of values in the sub-headings of the table.

**TABLE 4.A.9: SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES, YEAR 1998**

SUMMARY REPORT FOR NATIONAL GREENHOUSE GAS INVENTORIES (Gg)						
GREENHOUSE GAS SOURCE AND SINK CATEGORIES						
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NM VOC
<b>Total National Emissions and (Removals)</b>	<b>1749 (-31,034)</b>	<b>56</b>	<b>1</b>	<b>18</b>	<b>214</b>	<b>13</b>
<b>1 All Energy</b>	<b>1749</b>	<b>1</b>		<b>12</b>	<b>50</b>	<b>7</b>
<b>A Fuel Combustion</b>	1749	1		12	50	7
1 Energy Industry	742			3	9	1
2 Industry(Manufacturing)	264			1	4	
3 Transport	296			3	27	5
4 Other Sectors (Comm./Resid.;Agri./ect.	447			6	9	1
B Fugitive Emissions	Nil	Nil	Nil	Nil	Nil	
<b>2 Industrial Processes</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>6</b>
A Mineral Products	NO	NO	NO	NO	NO	N.A.
B Chemical Industry	NO	NO	NO	NO	NO	
C Metal Production	NO	NO	NO	NO	NO	
D Beverages and food production						6
<b>3 Solvent and Other Product Use</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>	<b>N.E.</b>
<b>4 Agriculture</b>		<b>46</b>	<b>1</b>	<b>4</b>	<b>96</b>	
A Enteric Fermentation		15				
B Manure Management		1				
C Rice Cultivation		26				
D Agricultural Soils			1			
E Prescribed Burning of Savannah		1			28	
F Field Burning of Agri. Residues		3		4	68	
<b>5 Land-Use Change and Forestry (a)</b>	<b>-31034</b>	<b>8</b>		<b>2</b>	<b>68</b>	
A Changes in Forest & Woody Biomass	-33,565					
B Forest and Grassland Conversion	2531	8		2	68	
<b>6 Waste</b>		<b>1</b>				
A Landfill		1				
<b>Memo Items (b)</b>						
(i) International Bunkers, total	<b>21</b>					
- Aviation	14					
- Marine	7					
(ii) Biomass Emissions	<b>1199</b>					

**Key:** 1. (NO) - not occurring  
2. (NE) - Not estimated  
3. (N.A.) - Data not available

**Note:** (a) - Emissions value indicated is the net of emissions and removals.  
(b) - Not included in national emissions and removals.  
(c) - Because the IPCC software rounds off values, the "Total National Emissions", shown in the table, may not represent the actual summing of values in the sub-headings of the table

## **APPENDIX 4.B**

### **Uncertainty Tables**

**Table 4.B.1: Notation key for overview table.**

NOTATION KEY FOR OVERVIEW TABLE							
Estimates	Quality	Documentation	Disaggregation				
<i>Code</i>	<i>Meaning</i>	<i>Code</i>	<i>Meaning</i>	<i>Code</i>	<i>Meaning</i>	<i>Code</i>	<i>Meaning</i>
<b>PART</b>	Partly estimated	<b>H</b>	High confidence in estimation	<b>H</b>	High (all background information included)	<b>1</b>	Total emissions estimated
<b>ALL</b>	Full estimate of all possible sources	<b>M</b>	Medium confidence in estimation	<b>M</b>	Medium (some background information included)	<b>2</b>	Sectoral split
<b>NE</b>	Not estimated	<b>L</b>	Low confidence in estimation	<b>L</b>	Low (only emission estimates included)	<b>3</b>	Sub-sectoral split
<b>IE</b>	Estimated but included elsewhere						
<b>NO</b>	Not occurring						
<b>NA</b>	Not applicable						
<b>E</b>	Estimate						
<b>Q</b>	Quality						

**Table 4.B.2: Overview Table for National Greenhouse Gas Inventories.**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>		CH <sub>4</sub>		N <sub>2</sub> O		NO <sub>x</sub>		CO		NM VO C		Document- ation	Disaggrega- tion	Foot- notes
	E	Q	E	Q	E	Q	E	Q	E	Q	E	Q			
TOTAL NATIONAL EMISSIONS AND REMOVALS															
<b>Energy</b>															
A- Fuel Combustion Activities															
Reference Approach	All	H											M	1	
Sectoral Approach	All	M	All	M	All	M	All	M	All	M	All	M	M	3	
1– Energy Industries	All	M	All	M	All	M	All	M	All	M	All	M	M	1	
2 – Manufacturing Industries and Construction	All	M	All	M	All	M	All	M	All	M	All	M	M	1	
3 – Transport	All	M	All	M	All	M	All	M	All	M	All	M	M	3	
4 – Other Sectors	All	M	All	M	All	M	All	M	All	M	All	M	M	3	
B – Fugitive Emissions	NO														
<b>Industrial Processes</b>	NO		NO		NO		NO		NO		All	M	M	3	
A – Mineral Products	NO										All	M	M	3	
B – Chemical Industry											NO				
C – Metal Production											NO				
D– Other Production											All	M	M	3	
Production of Halocarbons etc.											NO				



**Table 4.B.3: Overview Table for National Greenhouse Gas Inventories**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>		CH <sub>4</sub>		N <sub>2</sub> O		NO <sub>x</sub>		CO		NMVO C		Document- ation	Disaggrega- tion	Foot- notes	
	E	Q	E	Q	E	Q	E	Q	E	Q	E	Q				
<b>Solvent and Other Product Use</b>	NE															
<b>Agriculture</b>			All	M									M	3		
A – Enteric Fermentation			All	M									M	1		
B – Manure Management			All	M									M	1		
C – Rice Cultivation			All	M									M	1		
D – Agricultural Soils			All	M									M	1		
E – Prescribed Burning of Savannas			All	L									M	1		
F – Field Burning of Agricultural Residues	PAR	M	PART	M	PAR	M	PAR	M	PAR	M	PART	M	M	1	(a)	
<b>Land-Use Change and Forestry</b>													M	3		
A – Changes in Forests and other Woody biomass	All	L												M	1	
B – Forest and Grassland Conversion	All	L	All	L	All	L	All	L	All	L	All	L	M	1		
C – Abandonment of Managed Lands	NE														(b)	

**Footnotes:**

1. (a) Only emissions from sugar cane and rice residues burn in the field was estimated. Emissions from other crops are considered insignificant.

(b) - No data available, however, this is considered negligible.

**Table 4.B4: Overview Table for National Greenhouse Gas Inventories**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO <sub>2</sub>		CH <sub>4</sub>		N <sub>2</sub> O		NO <sub>x</sub>		CO		NMVOC		Document- ation	Disaggrega- tion	Foot- notes
	E	Q	E	Q	E	Q	E	Q	E	Q	E	Q			
<b>Waste</b>															
A – Solid Waste Disposal on Land			All	M									M		1
B – Waste Water Handling			NA												
C – Waste Incineration	NE														
<b>Memo Items:</b>															
<b>International Bunkers</b>															
Aviation	All	M											M		1
Marine	All	M											M		1
CO <sub>2</sub> Emissions from Biomass	All	M											M		3