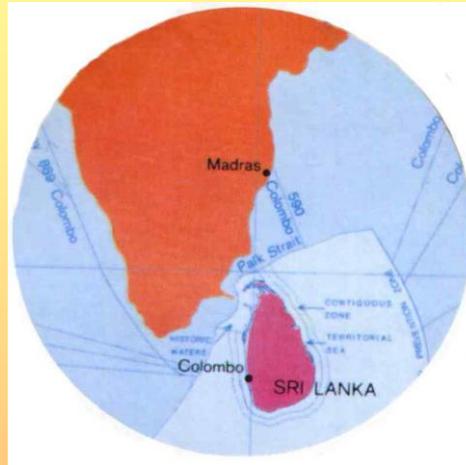


MALÈ DECLARATION SECOND EMISSIONS INVENTORY WORKSHOP

**26th February -2nd March 2007
AIT Bangkok**



COUNTRY PRESENTATION

By

R.N.R.Jayaratne and D.S.Bandara

Air, Noise, Vibration Monitoring and Male Declaration Unit

Central Environmental Authority

Sri Lanka



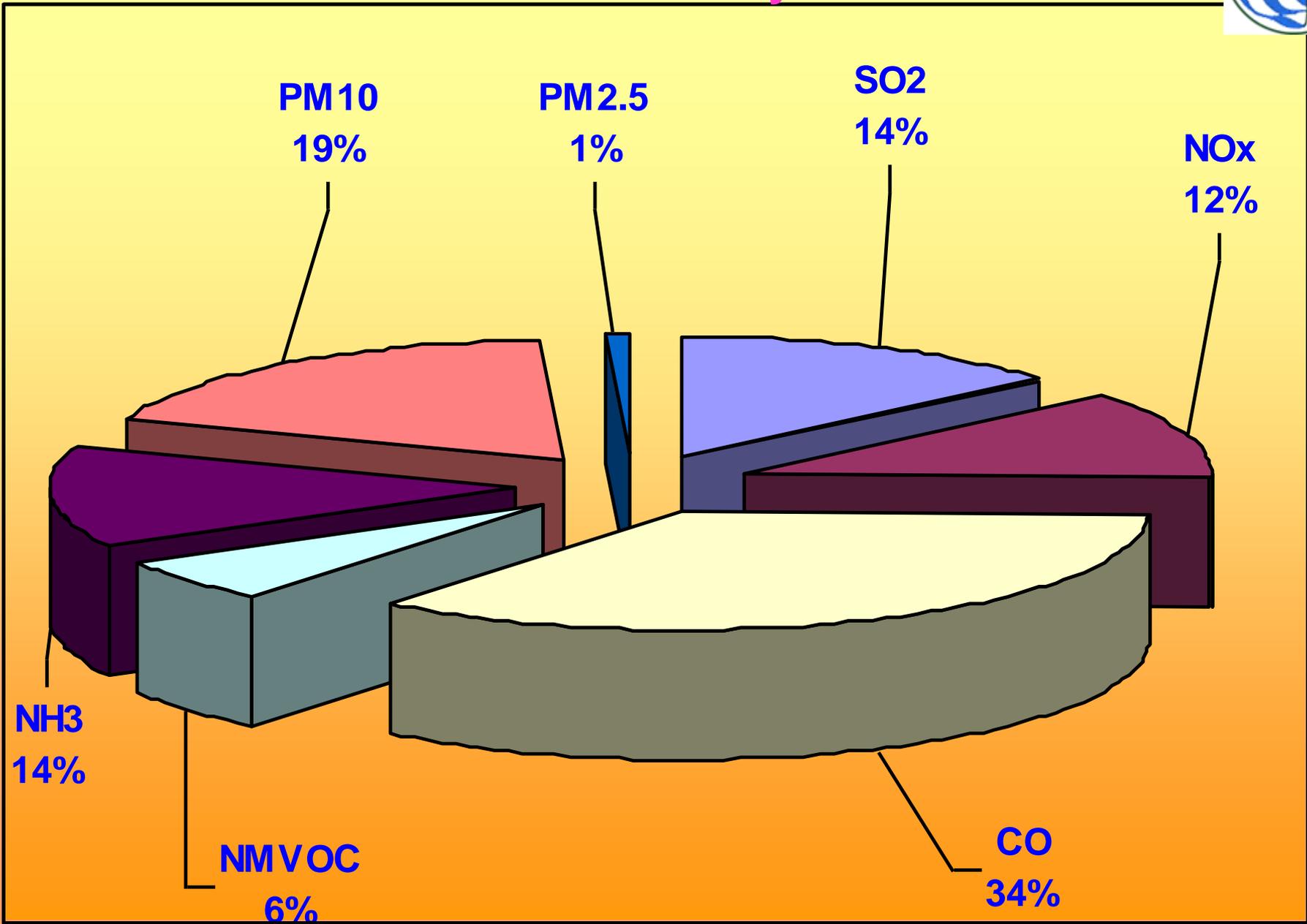
MEMBERS OF THE INVENTORY TEAM

- 
- Mr.C.K.Amarathunga**
(Director Laboratory CEA)
- Mr. R.N.R.Jayarathne**
(Senior Environmental Officer CEA)
- Mr. Deepthi Bandara**
(Senior Environmental Officer CEA)
- Mr. K.T.C.Ariyawansa**
(Senior Environmental Officer CEA)
- Mrs. R.A.W.Ranawakaarachchi**
(Senior Environmental Officer CEA)

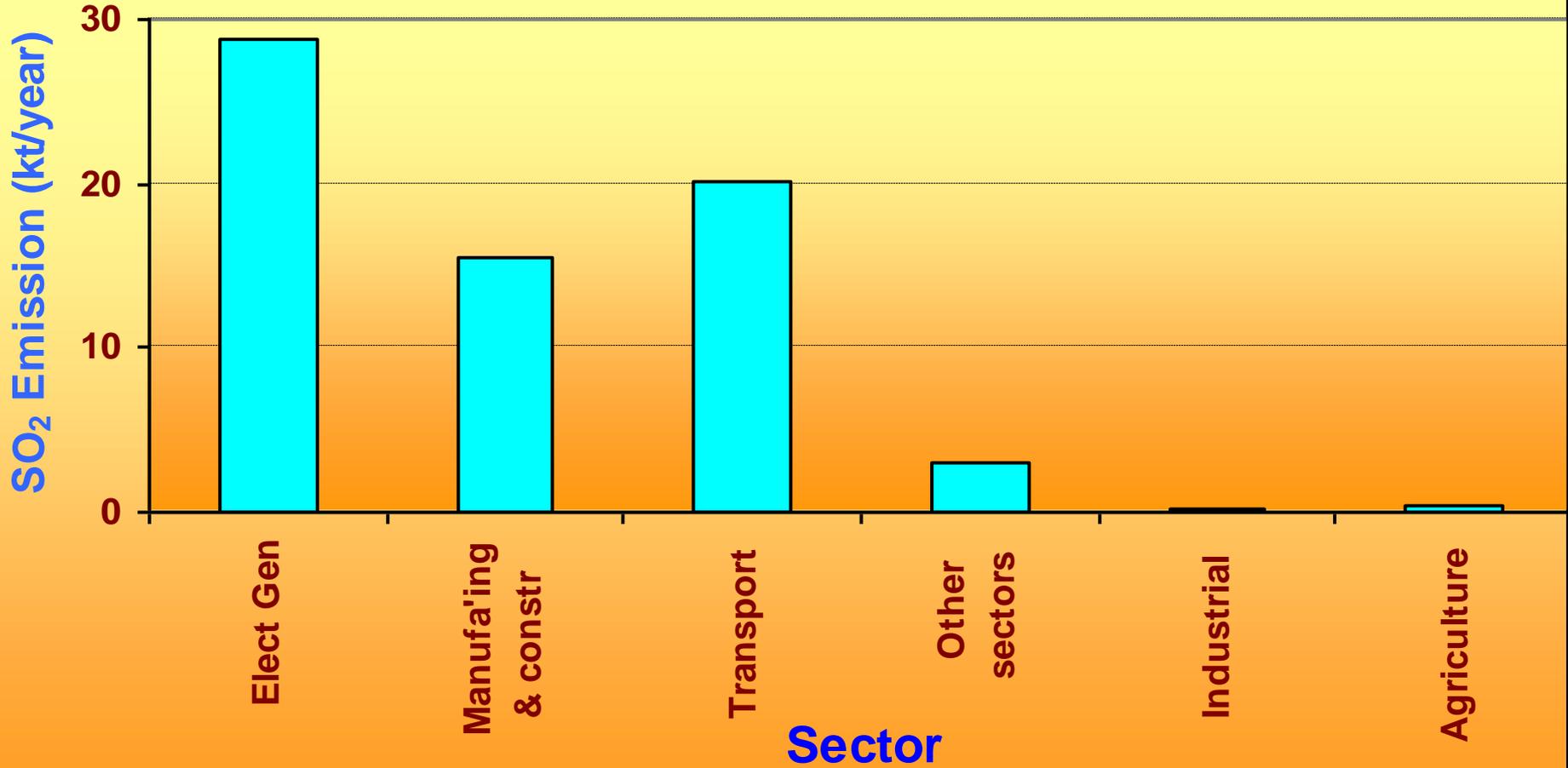


RESULTS

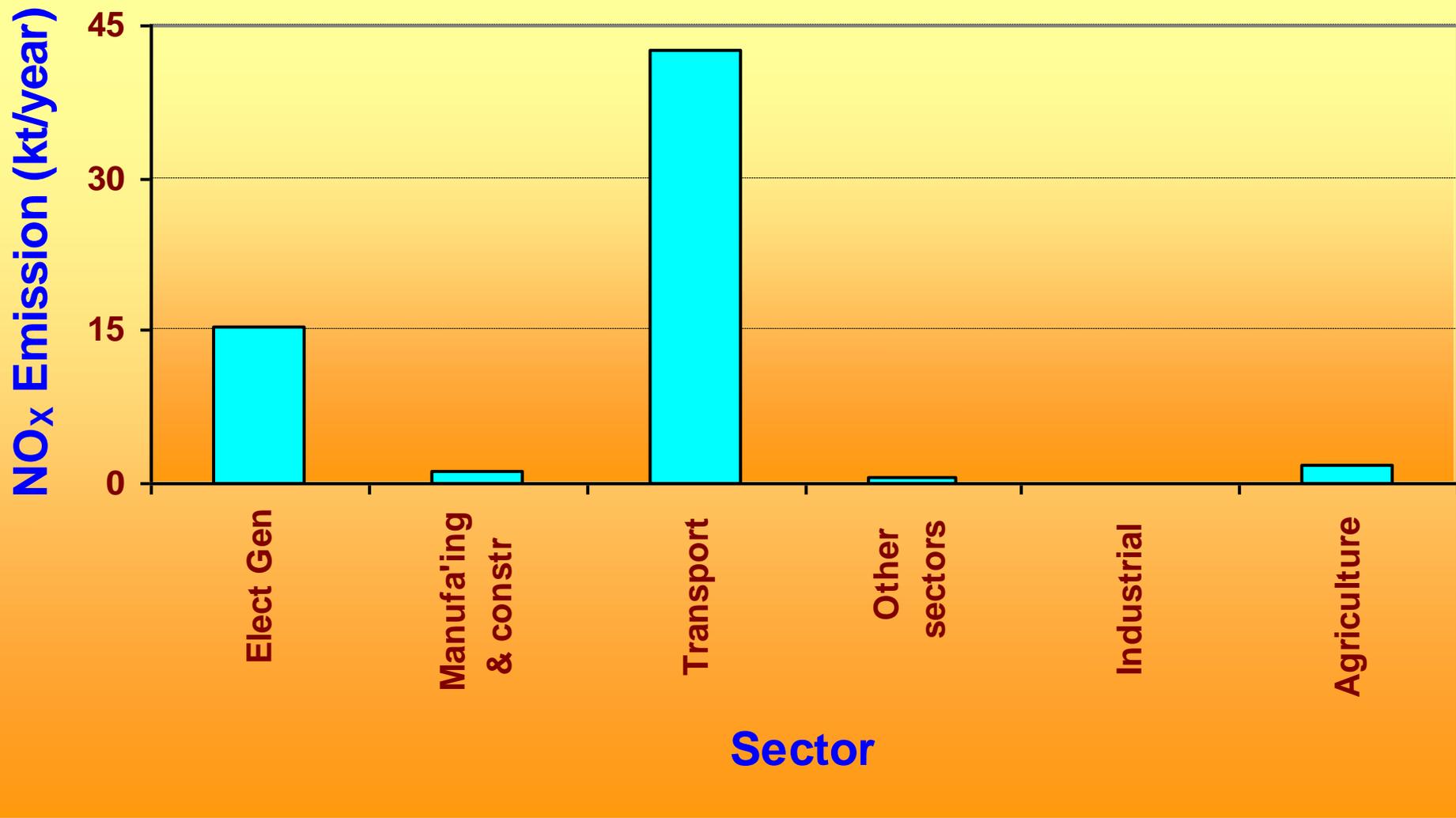
Total 538.8 kt/yr



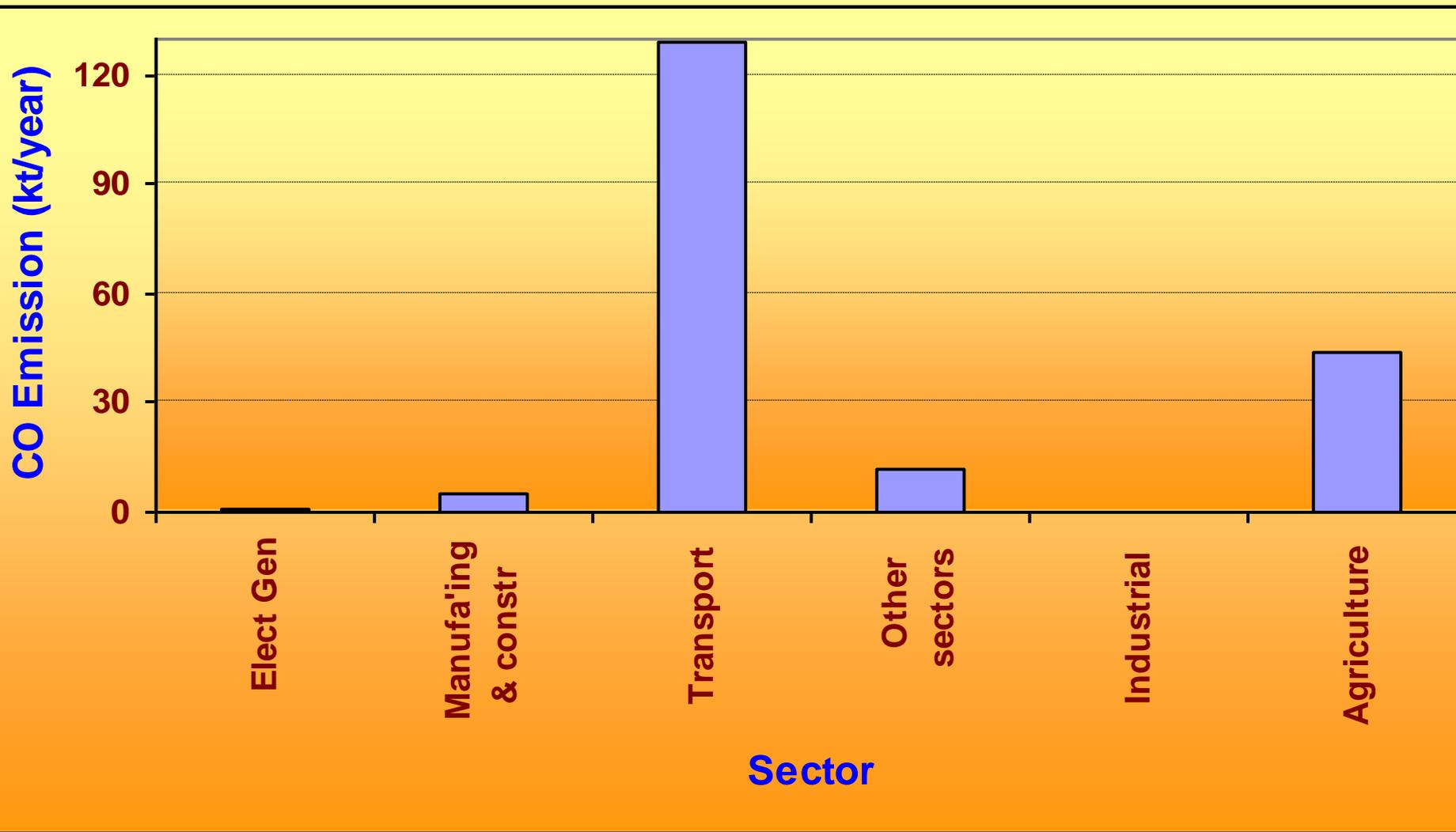
SO₂ Emission



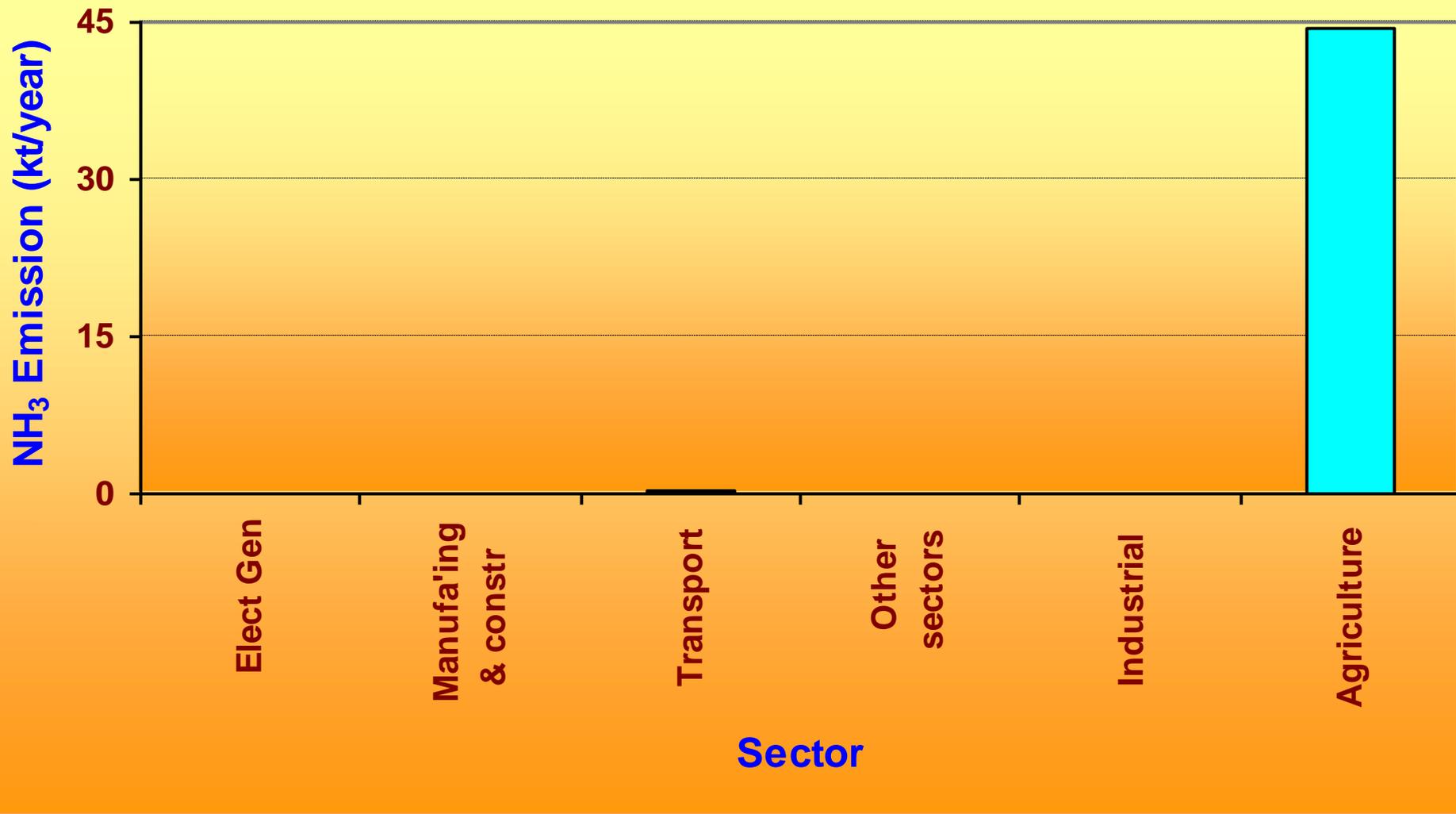
NO_x Emission



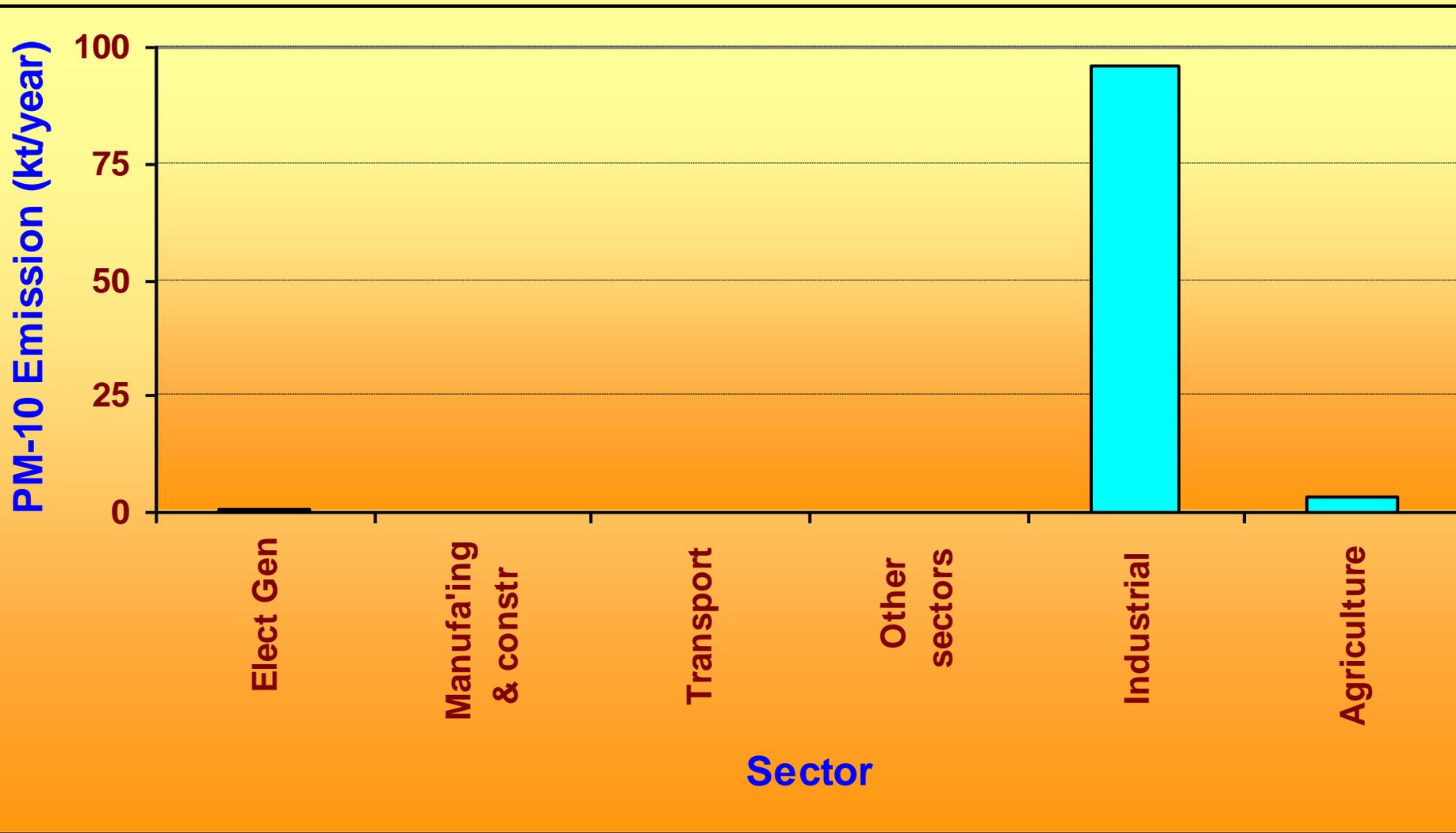
CO Emission



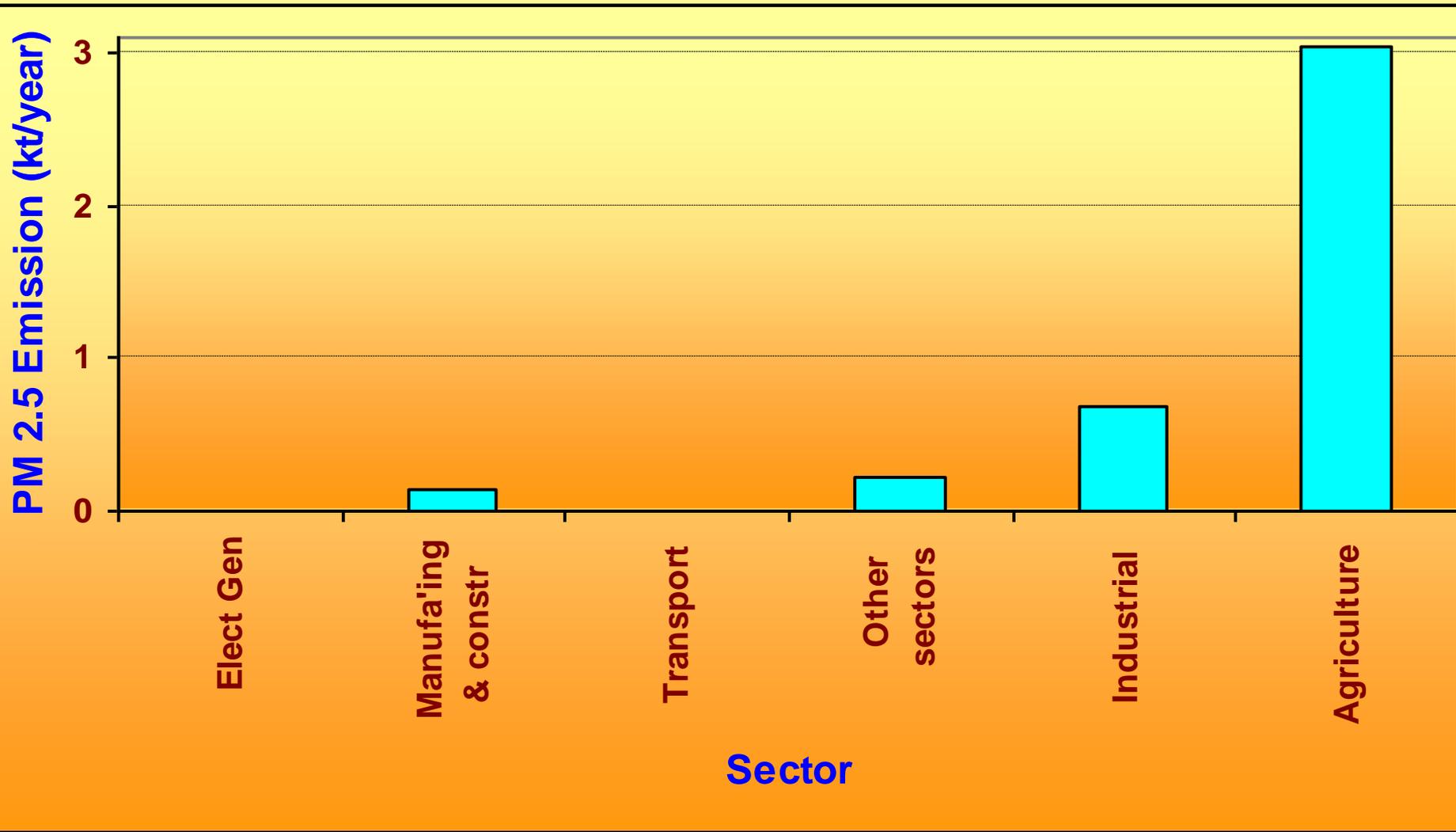
NH₃ Emission



PM-10 Emission



PM 2.5 Emission



Work Still to be done and challenges

Some industrial data –Should be collected

Construction activity rate – Data not available

Fertilizer applications – Data available to be entered

Open burning of waste- Actual data not available

Waste incineration - Actual data not available





Transport detailed method

**In our country “year of manufacture”
data**

not available

**Actual vehicle fleet flying on the roads
not**

available still to be calculated

**For aviation number of LTO cycles are
available but difficult to find type of air
crafts**

***Emissions from on site burning of forests and
grasslands – Actual data not available***

Solvent and other products use – to be completed – Data Should be collected

Emissions from large point sources to be completed and data should be collected

Actual data on air pollution control to be collected



4. Combustion in Other Sectors	Commercial/Institutional	2.07	0.16	0.03	0.01	0.00	0.02	0.02
	Residential	0.23	0.38	11.58	0.08	0.00	0.14	0.20
	Agriculture/Forestry/Fishing	0.81	0.09	0.44	0.09	0.00	0.00	0.00
	Non-specified "Other sectors"	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Fugitive emissions from fuels	Production of coke				0.00		0.00	0.00
	Oil exploration and crude oil production and transport				0.00			
	Oil refining	1.88	0.12	0.19	1.24			
	Distribution and handling of gasoline				0.23			
	Production and distribution of natural gas.				0.00			
	Flaring during oil and gas extraction		0.00	0.00	0.00			
6. Industrial processes	Mineral products	0.13		0.00	0.00		0.22	0.02
	Chemicals	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Metals	0.00	0.00	0.00	0.00		0.00	0.00
	Pulp and paper	0.03	0.01	0.05	0.03		0.76	0.67
	Food and drink				0.00		0.00	0.00
	Major construction site activities (Fugitive PM only)						95.23	0.00
7. Solvent and other product use				2.53				
8. Agriculture	Manure management					43.47		
	Application of N-containing fertilizers		0.00			0.00		
	Burning of agricultural crop residues	0.36	1.76	43.89	3.07	0.98	3.03	3.03
9. Vegetation fires and Forestry	On-site burning of forests and grasslands	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Waste	Waste incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Human excreta					28.80		
Total anthropogenic		74.84	62.22	191.07	32.88	73.43	100.27	4.08



THANK YOU