

EMI³TS Landing page

Emission Inventory

EI

103.246.106.130/templates/ei2/

EMI³TS

Home About Us Usage Calculations Utility Software Drop Down

EMI³TS

Emission Inventory Indian Institute of Technology Kanpur Software.

EMI³TS is a comprehensive tool for compiling and editing emissions inventories, which allows simple, fast calculation and analysis of emissions.

Read More

FEATURES



Auditing

EMI³TS gathers together the input and output data for emissions calculations into a single file, which inherently provides an audit trail for the assessment procedure.



Comprehensive datasets

EMI³TS contains over fifty emissions calculation datasets for sources such as road and rail traffic, airports and aircraft.



Consistency

EMI³TS automatic calculations ensure a consistent, verified and traceable methodology for emissions assessment.



Editing Active data

Emissions and active data can be edited individually on a source-by-source basis or by making changes in bulk to sources.



Emission Inventory Indian Institute of Technology K

Emission Inventory Indian Institute of Technology Kanpur Software (CONESS)

EMIT is a comprehensive tool for **compiling and editing emissions inventories**, which allows **simple, fast** calculation and analysis of emissions. Typical applications include:

Emissions calculations across large urban areas for dispersion modelling with ADMS-Urban

Predicting the impact of **Clean Air Zones** and **Low Emission Zones** on emissions of toxic pollutants and greenhouse gases

Source apportionment: quantifying the contributions from particular road vehicles such as diesel cars to emissions and concentrations (when using EMIT with ADMS-Urban)

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Sign In

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Screenshots of EMI³TS software:








EI Creation Form

The screenshot displays a web browser window with the following elements:

- Browser Tabs:** "Emission Inventory", "EI", and "Welcome to IITK Webmail".
- Address Bar:** "103.246.106.130/EmissionInventory/main".
- Header:** "EMI³TS" logo and text.
- Navigation Menu:** "emissioninventory", "Home", and "Sign Out".
- Main Content Area:** "Basic Information for Emissions Inventory (EI)" form.

The form fields are as follows:

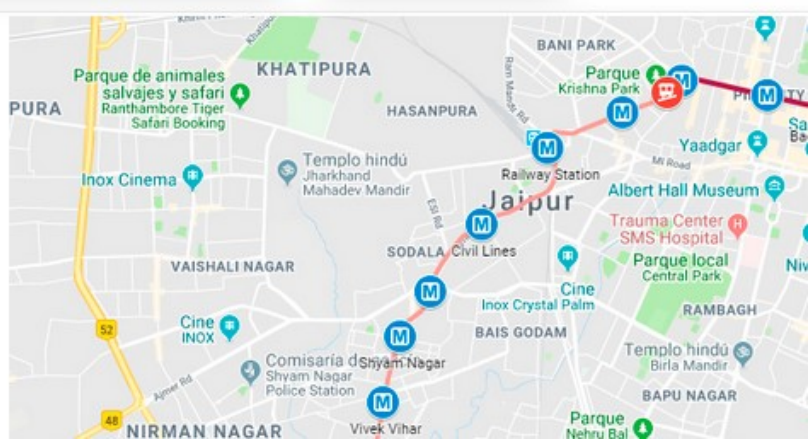
- Name of Person: _____
- Designation: _____
- Organization/ Company/ Agency: _____
- EI Domain: _____
- Coordinates of Area:
 - Latitude: From: _____ To: _____
 - Longitude: From: _____ To: _____
- Year of EI: _____
- Upload Image: No file selected.

-  EL_2_17
-  Home
-  1. Activity data & Net Calorific values⁺
-  2. Emissions from Combustions
-  3. Combustions in Transport Sector + (Detailed)
-  4. Fugitive Emissions (Non-Combustion) for fuel
-  5. Industry (Non-Combustion Activities)
-  6. Agriculture +
-  7. Waste (MSW) +
-  8. Fires, Forestry and Burnings +

Basic Information for Emissions Inventory (EI)

- Download Summary
- Download Back UP
- Close EI

1.	El Id:	EL2_17
2.	Person Name:	Abhishek
3.	Designation:	Engineer
4.	Organisation:	Civil Department, IIT Kanpur
5.	El Domain:	Lucknow



Activity Data and Net Calorific Values

Emission Inventory
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← → ↻
103.246.106.130/EmissionInventory/fuelConsumption
☰

EMI³TS

- 🏠 EL_2_17
- 🏠 Home
- 📄 1. Activity data & Net Calorific values⁺
- 📄 2. Emissions from Combustions
- 📄 3. Combustions in Transport Sector + (Detailed)
- 📄 4. Fugitive Emissions (Non-Combustion) for fuel
- 📄 5. Industry (Non-Combustion Activities)
- 📄 6. Agriculture +
- 📄 7. Waste (MSW) +
- 📄 8. Fires, Forestry and Burnings +
- 📄 9. Solvent Use +
- 📄 Summary sheet - Annual emissions of each pollutant by source sector
- 📄 Emission Graphs
- 📄 Sign Out

Fuel consumption in kilotonnes (1000s of tonnes) per year (kilotonnes/ year)

Energy industries

Manufacturing Industries and Construction

Transport

Household/Hotels

Sub-Sector for **Energy industries**

— Electricity and Heat/ Steam Production

Fuel Name	Fuel consumption in kilotonnes (1000s of tonnes) per year (kilotonnes/ year)	Default net calorific values for fuel (Terajoule/ tonne)
Coal		
Coking Coal	<input type="text"/>	0.02461956
Other-Bituminous Coal & Anthracite	<input type="text"/>	0.0227
Sub-Bituminous Coal	<input type="text"/>	0.0225
Lignite	<input type="text"/>	0.0095
Coke Oven Coke	<input type="text"/>	0.0272155
Coke Oven Gas	<input type="text"/>	0.028
Blast Furnace Gas	<input type="text"/>	0.0022
Gas		

View Activity Data

The screenshot shows a web browser window with the URL `103.246.106.130/EmissionInventory/fuelConsumptionAction.php`. The page header features the EMI³TS logo. A left-hand navigation menu contains several green buttons with white text and icons, including 'EL_2_17', 'Home', and numbered activity categories from 1 to 8. The main content area displays the title 'Fuel consumption in kilotonnes (1000s of tonnes) per year (kilotonnes/year)' and the sector 'Sector:Energy industries'. Below this, a message states 'You have entered the following Activity data for Electricity and Heat/ Steam Produ'. A table with three columns (SN., Fuel Name, Fuel consumption in kilotonnes (1000s of tonnes) per year (kilotonnes/year)) shows one entry: SN. 1, Fuel Name Coking Coal, and Fuel consumption 100. A blue 'BACK' button is positioned below the table.

Fuel consumption in kilotonnes (1000s of tonnes) per year (kilotonnes/year)

Sector:Energy industries

You have entered the following Activity data for **Electricity and Heat/ Steam Produ**

SN.	Fuel Name	Fuel consumption in kilotonnes (1000s of tonnes) per year (kilotonnes/year)
1	Coking Coal	100

[BACK](#)

Emission from Combustion

The screenshot shows a web browser window with the following details:

- Browser tabs: "Emission Inventory" and "EI".
- Address bar: "103.246.106.130/EmissionInventory/Emissions_from_Combustion".
- Header: "EMI³TS" logo and text.
- Left Navigation Menu (green buttons):
 - EL_2_17
 - Home
 - 1. Activity data & Net Calorific values⁺
 - 2. Emissions from Combustions (highlighted)
 - 3. Combustions in Transport Sector + (Detailed)
 - 4. Fugitive Emissions (Non-Combustion) for fuel
 - 5. Industry (Non-Combustion Activities)
 - 6. Agriculture +
 - 7. Waste (MSW) +
 - 8. Fires, Forestry and Burnings +
- Main Content Area:
 - Title: "Emissions from Combustions"
 - Buttons: SO2 (highlighted), NOx, CO, NMVOC, PM10, PM2.5.
 - Section: "Emissions from Combustions for SO2"
 - Form: "Sub-Sector" with a text input field.
 - Message: "Nothing to show. Please enter activity data."

Graphics

Emission Inventory
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← → ↻
103.246.106.130/EmissionInventory/emissions_9

EMI³TS

🏠 EL_1_1

🏠 Home

📁 1. Activity data & Net Calorific values⁺

📁 2. Emissions from Combustions

📁 3. Combustions in Transport Sector + (Detailed)

📁 4. Fugitive Emissions (Non-Combustion) for fuel

📁 5. Industry (Non-Combustion Activities)

📁 6. Agriculture +

📁 7. Waste (MSW) +

📁 8. Fires, Forestry and Burnings +

SO2
NOx
CO
NMVOC
NH3
PM10
PM2.5

Emission Graph For SO2

Total Emission: 51.426 (Kilotonnes/ Year) For SO2

- 1
- 2
- 4
- 8
- 13
- 15
- 19
- 20

Sector	Sub Sector
Combustion in the Energy Industries	Electricity and Heat/ Production
	Petroleum Refining
Transport	Manufacture of Solid Other Energy
	Road transport (Sim
	Road transport (Det
Combustion in Other Sectors	Non-road transport
	Commercial/Institut
	Agriculture/ Irrigatio
	Other Independent t
	Mobile Towers / DG
Household/Instat	Household

- EL_1_1
- Home
- 1. Activity data & Net Calorific values⁺
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- 3. Combustions in Transport Sector + (Detailed)
- 4. Fugitive Emissions (Non-Combustion) for fuel
- 5. Industry (Non-Combustion Activities)⁺
- 6. Agriculture +
- 7. Waste (MSW) +
- 8. Fires, Forestry and Burnings +
- 9. Solvent Use +
- Summary sheet - Annual emissions of

Total Emission: 51.426 (Kilotonnes/ Year) For SO₂

