

# Fake News Analysis Report

Query ID: query\_699c10a7

**VERDICT: FAKE NEWS**

## Query News Sample



"India's CO2 Emissions See Slower Increase In 2025: Report  
Press Trust of India"

## Top Visual Evidence



"India's CO2 emissions see slower increase in 2025: Report | Agency-feeds News - News18"

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## Final Unified Reasoning

- Detailed Reasoning:

The final classification is FAKE, despite some supporting evidence, primarily due to the strong contradiction between the image and the text, and the relatively low support score from web-based claim verification.

- Arguments FOR FAKE Classification:

- **Evidence 1 (Image-Text Consistency):** This is the most compelling piece of evidence against the claim. The text states "India's CO2 Emissions See Slower Increase," implying a positive trend. However, the image depicts a scene of heavy industrial pollution – a clear visual representation of environmental degradation. This stark contrast in sentiment creates a significant mismatch, strongly suggesting the image is being used to misrepresent the situation or is simply unrelated to the text.

- **Evidence 3 (Web Search):** The low support score (20.0) from web-based claim verification indicates that the claim "India's CO2 Emissions See Slower Increase In 2025" is not widely supported by credible news sources. This casts serious doubt on the veracity of the news post.

- **Entity Ambiguity:** While the text specifies "India," the image lacks specific visual cues to confirm the location. This ambiguity further weakens the connection between the text and the image.

- Arguments AGAINST FAKE Classification:

- **Evidence 2 (Image-Image Consistency):** The image-image analysis found a sentiment alignment and event/action alignment between the query image and the retrieved image. The retrieved image, with the "News 18 India News" logo, suggests a news report related to India, which could potentially be about environmental issues. This provides some visual context that could support the claim, but it's not strong enough to overcome the core contradiction.

- **Potential for Misleading Context:** It's possible the image is from a past year or a specific region within India that doesn't reflect the overall national trend. However, without further information, this remains speculative and doesn't negate the immediate visual contradiction.

- Overall: **The overwhelming evidence points towards the news post being fake. The conflicting sentiment between the text and the image, combined with the low support score from web searches, makes it highly unlikely that the image accurately represents the claim being made. While the image-image analysis provides some supporting context, it is not sufficient to outweigh the stronger evidence suggesting a mismatch. Therefore, a "FAKE" classification with a Medium confidence level is warranted.**

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## Image vs. Text Analysis (Query)

Okay, let's break down this image and text pairing step-by-step.

### STEP 1: Sentiment Alignment

**1. Text Sentiment:** The text "India's CO2 Emissions See Slower Increase" has a cautiously optimistic, or at least neutral, sentiment. While it mentions emissions, the "slower increase" suggests a positive trend.

**2. Image Sentiment:** The image depicts industrial smokestacks emitting dark smoke against a hazy, orange sky. This evokes a sense of pollution, environmental degradation, and potentially concern or negativity.

**3. Comparison:**

- Classification: Sentiment Mismatch

- Reasoning: The text conveys a slightly positive or neutral sentiment about emissions reduction, while the image strongly suggests a negative environmental impact.

### STEP 2: Entity Consistency

**1. Text Entities:** The text mentions "India."

**2. Image Entities:** The image shows a cityscape with industrial buildings, which could be located in India, but it's not definitively identifiable as such. The buildings are generic and could be from any industrialized nation.

**3. Comparison:**

- Classification: Entities Ambiguous/Unverifiable

- Reasoning: While the text specifies "India," the image doesn't provide enough visual cues to confirm the location. It could be any industrial area.

### STEP 3: Event/Action Consistency

**1. Text Event/Action:** The text describes a trend of slowing CO2 emissions. This is an abstract, ongoing process.

**2. Image Depiction:** The image depicts the ongoing action of industrial emissions – smokestacks releasing smoke. It shows the result of CO2 emissions, not the slowing of them.

**3. Comparison:**

- Classification: Event/Action Mismatch

- Reasoning: The text refers to a trend (slowing emissions), while the image shows the immediate consequence (pollution). They represent different aspects of the same issue.

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## STEP 4: Final Judgment

- Judgment: FAKE

- Brief Reasoning: The most significant factor in this judgment is the Sentiment Mismatch (Output 1). The image's negative portrayal of pollution directly contradicts the text's cautiously optimistic message about slowing emissions. While the entity and event consistency analyses also show discrepancies, the conflicting sentiment is the most glaring issue, suggesting the image was likely chosen to create a misleading impression.

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## Query Image vs. Evidence Image Analysis

Okay, let's analyze the two images provided.

- STEP 1: Sentiment Alignment
  - **Image 1 Sentiment:** The image of industrial smokestacks emitting pollution against a hazy orange sky evokes a negative sentiment. It suggests environmental degradation, pollution, and potentially a sense of unease or concern.
  - **Image 2 Sentiment:** The image of a globe with the "News 18 India News" logo overlaid conveys a sense of global concern or reporting on a significant issue related to India. The dark tones and the focus on the globe suggest a serious topic.
  - **Comparison:** Sentiment Aligned
  - **Reasoning:** Both images carry a negative or serious tone. Image 1 depicts a problem (pollution), and Image 2 frames it within a global context, suggesting a serious news report.

- STEP 2: Entity Consistency
  - **Entities in Image 1:** The primary entities are industrial structures (factories, smokestacks) and the environment (sky, air). There's no specific location or organization explicitly named.
  - **Entities in Image 2:** The entity is "India" explicitly stated in the logo. The image also depicts a globe, representing the world.
  - **Comparison:** Entities Mismatch
  - **Reasoning:** While Image 1 doesn't name a specific location, Image 2 explicitly identifies "India." The entities are not directly aligned, but the context suggests a connection (pollution in India).

- STEP 3: Event/Action Consistency
  - **Event/Action in Image 1:** The main event is industrial pollution – the release of smoke and emissions from factories into the atmosphere.
  - **Event/Action in Image 2:** The event is the reporting of news related to India, potentially concerning environmental issues or other significant events.
  - **Comparison:** Event/Action Aligned
  - **Reasoning:** Image 1 shows the cause (pollution), and Image 2 suggests the reporting of a related issue (potentially environmental) in India. They are related events, even if not directly depicting the same scene.

- STEP 4: Final Judgment
  - **Judgment:** TRUE
  - **Brief Reasoning:** The combination of the two images suggests a truthful claim. The sentiment alignment (both images convey a serious tone) and the event/action alignment (pollution and news reporting about it) strongly support this. While the entity mismatch is present, the context of the images implies a connection – the news report likely concerns the pollution depicted in the first image, and it is

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related to India.

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## Text vs. Text Factual Consistency Analysis

### Evidence Snippet #1

**Factual Score:** 1

**Rationale:** Both sentences state the same fact: India's CO2 emissions saw a slower increase in 2025, according to a report. They share the same entities (India, CO2 emissions), timeframe (2025), and context (a report).

### Evidence Snippet #2

**Factual Score:** 0

**Rationale:** Sentence A references 'Press Trust of India' but provides no specific claim. Sentence B discusses a report on India's CO2 emissions in 2025. These are different topics and do not describe the same real-world situation.

### Evidence Snippet #3

**Factual Score:** 1

**Rationale:** Both sentences state the same fact: India's CO2 emissions saw a slower increase in 2025, according to a report. Sentence B is from a trusted news source (The HinduBusinessLine) and verifies the claim in Sentence A.

### Evidence Snippet #4

**Factual Score:** 0

**Rationale:** Sentence A is incomplete and does not provide a specific claim. Sentence B reports on a report stating India's ranking in climate performance. They are related to the topic of climate change and India, but do not describe the same specific fact.

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## Text vs. Text Analysis (cont.)

### Evidence Snippet #5

**Factual Score:** 0

**Rationale:** Sentence A states that India's CO2 emissions see a slower increase in 2025, according to a report. Sentence B states that India's power-sector CO2 falls for only the second time in half a century. While both relate to CO2 emissions in India, they describe different trends (slower increase vs. a decrease) and do not align on the same factual situation.

### Evidence Snippet #6

**Factual Score:** 0

**Rationale:** Sentence A is incomplete and does not provide a specific claim. Sentence B discusses global carbon emissions and the impact of renewable energy in India and China. These are different topics and do not align.

### Evidence Snippet #7

**Factual Score:** 1

**Rationale:** Both sentences refer to a report indicating a change in India's CO2 emissions. Sentence A states a slower increase in 2025, while Sentence B specifies a fall in power-sector CO2 emissions, attributing it to a surge in clean energy. Both describe a reduction in CO2 emissions in India, aligning on the core factual claim.

### Evidence Snippet #8

**Factual Score:** 0

**Rationale:** Sentence A references 'Press Trust of India', which is a news agency. Sentence B refers to a '2025 Mid-Year Emissions Report Card' from Climate Scorecard. These are different entities and topics; one is a news source, and the other is an environmental report. They do not describe the same real-world situation.



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## Text vs. Text Analysis (cont.)

### Evidence Snippet #9

**Factual Score:** 0

**Rationale:** Sentence A states a report indicates slower CO2 emissions increase in 2025. Sentence B discusses a decrease in power-sector CO2 emissions in India, but does not specify a timeframe of 2025 or refer to a report. They are related to the same topic (India's CO2 emissions) but describe different facts.

### Evidence Snippet #10

**Factual Score:** 0

**Rationale:** Sentence A is incomplete and does not provide a claim. Sentence B refers to a report about India's ranking in climate performance, which is a different topic.