

आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ
गुरु घासीदास विश्वविद्यालय
बिलासपुर (छ0ग0)

(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क. 25 के
अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)

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Internal Quality Assurance Cell (IQAC)
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

(A Central University established by the Central
University Act 2009 No. 25 of 2009)

Website: www.ggu.ac.in

No.- 439/IQAC/GGV/2023

Bilaspur, Dated- 07-08-2023

NOTIFICATION

The university's carbon emissions are calculated by considering scope 1 and scope 2 carbon emissions in tCO₂e (tonnes (t) of carbon dioxide (CO₂) equivalent). The detailed calculation is in the document attached.


Director, IQAC

Endt.No.- 440/IQAC/GGV/2023

Bilaspur, Dated- 07-08-2023

Copy to:

1. The Secretary to the Vice-Chancellor for information to the Hon'ble Vice-Chancellor.
2. PA to Registrar for information to the Registrar.
3. All Deans, SoS/Heads for kind information.
4. In charge Website Cell, with a request to upload this notification and the guidelines in the University Website.
5. Coordinator, NAAC Steering Committee for kind information.
6. Office file.


Director, IQAC



Template for Evidence(s) UI GreenMetric Questionnaire

University : Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh
 Country : India
 Web Address : www.ggu.ac.in

[2] Energy and Climate Change (EC)

[2.1] The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

Option 2: Recommended by UI GreenMetric

CO₂ (electricity)

$$= \frac{\text{electricity usage per year (kWh)}}{1000} \times 0,84$$

$$= \frac{1429004 \text{ kWh}}{1000} \times 0,84$$

= 1,200.36 metric tons

CO₂ (bus)

$$= \frac{\text{number of shuttle bus in your university} \times \text{trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01$$

$$= \frac{3 \times 5 \times 240}{100} \times 0,01$$

= 2.61 metric tons

CO₂ (cars)

$$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,02$$

$$= \frac{425 \times 2 \times 5 \times 240}{100} \times 0,02$$

= 204 metric tons

CO₂ (motorcycle)

$$= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01$$

$$= \frac{528 \times 2 \times 5 \times 240}{100} \times 0,01$$

= 126.72 metric tons

CO₂ (total)

$$= 1,200.36 + 2.61 + 204 + 126.72$$

$$= 1,533.69 \text{ metric tons}$$

Carbon footprint In 2022 = 1,533.69 metric tons.

Total Carbon Footprint (UI GreenMetric) for Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh

Description:

In Guru Ghasidas University campus CO₂ produced from (electricity) is 1200.36 metric tons, by (bus) is 2.61 metric tons, by (cars) is 204 metric tons, by (motorcycle) is 126.72 metric tons. Total emission is 1533.69 metric tons, per year. So, Carbon footprint in 2022 was 1533.69 metric tons in Guru Ghasidas Vishwavidyalaya campus.