

## AT A GLANCE

**Event Name:** BRIDGES by RARE 2024 (Baseline Year)

**Physical Boundary:** The boundary of the event is defined by the physical location of **The Roseate located at National Highway 8, D Block, Samalka, New Delhi, Delhi 110037.**

The Roseate property was exclusively secured by RARE India from April 4th to 6th, 2024, for the event, with NettZero appointed to oversee the Emissions Assessment Process.

The report covers the measurement of emissions across Scope 1, Scope 2 & Scope 3 including Delegates' Travel, Water & Food Consumption and Waste generation.

The total emissions for the BRIDGES by RARE event were **66 tCO<sub>2</sub>e** (8.25 tCO<sub>2</sub>e/ Acre & 0.97 tCO<sub>2</sub>e/Delegate).

Emissions have been successfully offset through the procurement of carbon removal and avoidance based credits, making **BRIDGES by RARE a successful Carbon Neutral Event.**

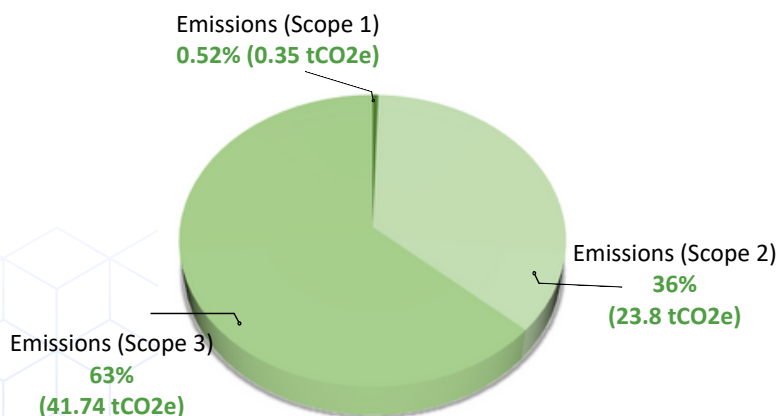
## KEY FINDINGS

- The Scope 1 emissions from LPG combustion were **0.345 tCO<sub>2</sub>e** and fuel combustion (DG sets) were **0.0135 tCO<sub>2</sub>e**.
- The Scope 2 emissions from electricity consumption were **24 tCO<sub>2</sub>e**. A reduction of **0.274 tCO<sub>2</sub>e** was achieved through the green energy generated by installed solar panels.
- The Scope 3 emissions from travel (national, international and local) totaled **39.81 tCO<sub>2</sub>e**. NettZero circulated the **Delegate Emissions Estimation Document (D.E.E.D)** to determine the percentage of International Delegates' air travel emissions that were to be factored into BRIDGES by RARE.
- The Scope 3 emissions from waste were **0.001 tCO<sub>2</sub>e** and from water consumption were **0.02 tCO<sub>2</sub>e**.
- The Scope 3 emissions from food consumption were **1.6 tCO<sub>2</sub>e**.

## TOTAL EMISSIONS ACROSS ALL SCOPES

Sources	Emission Activity	Emissions (tCO <sub>2</sub> e)	Scope Wise Emissions	% Emissions
Scope 1 Emission	LPG Combustion	0.35	0.36	0.52
	Fuel Combustion	0.01		0.02
Scope 2 Emission	Electricity Consumption	23.80	23.80	36.12
Scope 3 Emission	Travel- International Delegates	10.56	41.74	16.03
	Travel- National Delegates	26.82		40.70
	Travel- Local Delegates	2.50		3.79
	Travel- Organizers and Sponsors	0.23		0.35
	Waste Generation	0.01		0.01
	Water Consumption	0.02		0.03
	Food Consumption	1.60		2.43
Total Emissions (tCO <sub>2</sub> e)		66		

## GRAPH: SCOPE-WISE EMISSIONS & THEIR PERCENTAGE DISTRIBUTION



- Scope 3 emissions constitute **63.34%** of the total event carbon footprint, driven mainly by the delegates' travel.
- Scope 2 emissions from electricity consumption make up **36.12%** of the overall emissions profile.
- Scope 1 emissions, though representing only **0.52%**, are still noteworthy.

## NETTZERO'S INFERENCES

- The travel and tourism industry, constituting 10% of global GDP and employing 320 million people, is **responsible for 8% of the world's carbon emissions**. The industry must take significant steps to effectively mitigate and reverse climate collapse.
- **BRIDGES by RARE 2024, as a Carbon Neutral Event, within the travel and tourism industry, is taking its first steps in addressing climate urgency by measuring and offsetting emissions.**
- Offsets were carefully sourced from high-quality carbon removal based projects, ensuring integrity and leaving no scope for greenwashing.

## ENCOUNTERED CHALLENGES

- Due to a **limited sample size for the D.E.E.D. form**, Emissions Adjustment Factors were adopted to accurately quantify air travel emissions.
- The **lack of comprehensive dataset repositories** regarding the resources utilized at the operational venue posed challenges in sourcing relevant data.
- Despite installing solar panels, insufficient current capacity at The Roseate, spanning 8 acres, resulted in estimated electricity emissions of around 24 tCO<sub>2</sub>e.
- **Lack of awareness about climate literacy** posed a significant challenge because addressing emissions effectively requires behavioral change at both individual and societal levels.

## PRE-EVENT MITIGATION MEASURES

- Waste generation was minimized, with guidelines circulated for minimizing plastic and paper waste.
- Banners from previous events were reused to reduce resource consumption.
- **Delegate Emissions Estimation Document (D.E.E.D)** was provided to delegates, raising awareness about travel-based air emissions.
- Delegates were encouraged to opt for sustainable travel methods.
- The RARE India team promoted carpooling and local accommodations to minimize travel emissions.
- Digital communication was emphasized over paper-based methods, reducing print distribution.

## FUTURE ACTION PLAN

- The emissions associated with BRIDGES by RARE 2024 were 66 tCO<sub>2</sub>e. **Moving forward, NettZero will guide efforts to cap emissions at 50 tCO<sub>2</sub>e through strategic measures.**
- **Prioritizing travel and electricity emission reductions, the primary sources, is crucial for future events.**
- Starting with a 7 tCO<sub>2</sub>e reduction through electricity efficiency improvements, venues with in-house green energy production will be chosen.
- Travel emissions will be tried to be reduced by 8 tCO<sub>2</sub> through sustainable travel options like public transport and carpooling.
- More hybrid activities, combining virtual and in-person events, will be encouraged to minimize travel dependency.

## CARBON OFFSET & NEUTRALITY

The event BRIDGES by RARE has successfully offset the emissions arising from all the scopes, making it a **Carbon Neutral Event**. The credits have been carefully procured from both removal and avoidance-based projects, with a greater emphasis on removal-based projects.



### Project 1:

#### Description:

The project focuses on the production of bio-based construction materials derived from sustainably managed local forests. The CO<sub>2</sub> sequestered by the trees is stored for 50 to 100 years or more, contributing to CO<sub>2</sub> removal beyond the peak of global emissions. The process ensures the removal of 532 kg CO<sub>2</sub> per m<sup>3</sup> of timber product, contributing to carbon permanence and supporting the reduction of greenhouse gas emissions.



### Project 2:

#### Description:

The project aims to efficiently utilize available waste biomass resources to generate electricity. It operates as a 'carbon-neutral fuel' based cogeneration plant. Doing so displaces the need for power supplied from the Indian grid. In addition to electricity generation, the project saves an equivalent amount of coal that would have been used for steam generation, thus reducing reliance on fossil fuels. Situated in a rural area, the project contributes positively to India's sustainable development by bolstering the four pillars of sustainable development: economic growth, environmental protection, social inclusion, and efficient resource utilization.



## ABOUT BRIDGES BY RARE

**BRIDGES by RARE India** was an event that highlighted hotels, destinations, and experiences promoting responsible tourism. Held from April 4th to 6th, 2024, BRIDGES by RARE India aimed to expand the community of change-makers in the tourism industry. The event saw 304 attendees over three days, including 53 participants and 35 foreign tour operators.

The attendees of BRIDGES by RARE India included hoteliers, destination curators, and experience providers, **all united by a primary focus on sustainability**. Their collective agenda was to promote community-focused and planet-sensitive tourism.



The RARE India team is committed to evolving its sustainability efforts by transitioning from qualitative measures to accurately quantifying their emissions. **BRIDGES by RARE stands to be a significant step in this important journey by being a Carbon-Neutral Event.**

The RARE India team appointed **NettZero**, an independent consultancy that works with globally validated standards such as the GHG Protocol, PAS 2060, ISO 14064 & 14068 and The N.E.X.T. Protocol to measure, report and offset emissions.

## ABOUT NettZero

**NettZero Environmental Advisory Technologies Pvt. Ltd.** is a leading Carbon Ecosystem Enabler that provides People, Processes and Technologies to organizations desirous of embracing sustainability in a quantifiable & measurable manner.

NettZero's focuses on:

- **Climate Literacy** – for providing bespoke orientation & education in the field of Sustainability, Carbon Management and Climate Change
- **GHG Accounting & Carbon Neutrality** – for providing organizations with a robust technology platform & process to inventory their emissions across Scope 1, Scope 2 and, especially, Scope 3 through globally recognized protocols such as GHG Protocol, ISO 14064 & ISO 14068, PAS 2060 & The N.E.X.T. Protocol. The enablement involves providing data-driven visual reports, mitigation strategies and offsetting of unavoidable emissions through curated Carbon Credits
- **Carbon Credits** – by developing projects & programs that are focussed on CDR (Carbon Dioxide Removal) and can generate significant high-integrity based Carbon Credits

## NETTZERO'S DISTINCTIONS

- Measurement, inventorying and offset of over 50,000 tCO<sub>2</sub>e
- Helped Create Asia's first Carbon Neutral College
- Helped Create Asia's first Carbon Neutral Hospitality Chain
- Measuring the Carbon Footprint of the Indian Premier League on behalf of the UNEP (under No2Co2)
- Recognized by Niti Ayog as one of the Top 75 ideas to shape the planet from amongst 3,000+ submissions sent in by 160 countries

## NETTZERO'S TEAM



Gautam Shiknis  
Founder



Varun Hooja  
Founder & Director



Vidhi Gaur  
GHG Emissions  
Assessor