

Statement of verification for Net Zero Carbon Report, Irota EcoLodge

13 September 2022

Boundaries of the report covered by the verification

Greenbors Consulting Kft. was engaged to independently verify Irota EcoLodge's net zero carbon report calculations. The report comprises of a life cycle assessment (LCA) and net greenhouse gas (GHG) emissions analysis that have been calculated for the building's lifetime of 60 years. Irota EcoLodge is responsible for the information within the Net Zero Carbon report dated July 2022. The responsibility of Greenbors Consulting Kft. is to provide a conclusion as to whether the statements made are accurate and in accordance with the referenced guidelines.

The following data was within the scope of the verification (below shows the post-audit results):

- Embodied carbon (A1-A5): 5,95E+04 kgCO₂eq
- Biogenic storage: 7,22E+04 kgCO₂eq
- Operational phase impacts (B1-B7): 9,00E+03 kgCO₂eq
- End of life impacts (C1-C4): 1,32E+04 kgCO₂eq
- Avoided emissions (B4-B5 benefits, D exported energy): -2,49E+04 kgCO₂eq

Total life cycle impacts (A1-C4): 8,17E+04 kgCO₂eq

Total avoided emissions + biogenic carbon storage: -9,72E+04 kgCO₂eq

Net emissions balance (considering 60 year lifetime): -1,54E+04 kgCO₂eq

The calculation was primarily undertaken using the OneClick LCA™ software. The software had been audited and verified by ITB Building Research Institute to be in conformance with the following international standards: EN 15978 Sustainability of construction works – Assessment of environmental performance of buildings, ISO 14040 – Environmental management – Life Cycle Assessment, as well as other related standards of ISO 21929-1, ISO 21931-1 and EN 15804. Greenbors team has not audited the calculation methodology of the

software and relied on its credentials as stipulated by the certification document referring to the conformity with the relevant standards.

Assurance opinion

Based on the results of our verification process, Greenbors Consulting Kft. provides limited assurance of the net emissions balance statement, and found *no evidence* that the Net Zero Carbon report's statement:

- is not materially correct and is not a fair representation of the life cycle assessment data and the GHG emissions data and information;
- has not been prepared in accordance with the relevant guidelines.

It is our opinion that Irota EcoLodge has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of life cycle impacts, benefits and GHG emissions for the stated lifetime and boundaries.

Declaration of independence and competence

Greenbors Consulting Kft. is a green building certification and sustainability consulting company. The verification team has extensive knowledge and experience in Life Cycle Assessment and assurance. The verification team has remained independent from activity taken to calculate the Net Zero Carbon Report's statements. All conclusions have been based on evidence obtained during the verification process.



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