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Greenhouse Gas Verification Statement

Semiconductor Manufacturing International (Shanghai) Corporation



Direct Emissions [Category 1]	185,120.01 tonnes of CO2e
Indirect Emissions from Imported Energy [Category 2]	247,318.89 tonnes of CO2e
Indirect Emissions from Transportation [Category 3]	737.74 tonnes of CO2e
Indirect Emissions from Products Used by An Organization [Category 4] [be determined as non-significant indirect emissions and not quantified]	
Indirect Emissions Associated with The Use of Products from The Organization [Category 5] [be determined as non-significant indirect emissions and not quantified]	
Indirect Emissions from Other Sources [Category 6] [be determined as non-significant indirect emissions and not quantified]	
Total Emissions Quantified	433,176.64 tonnes of CO2e

SGS has been contracted by Semiconductor Manufacturing International (Shanghai) Corporation (hereinafter referred to as the CLIENT) to verify the Greenhouse Gas emissions in accordance with the requirements of ISO 14064-3:2019 for direct and indirect

ISO 14064-3:2019

as provided by Semiconductor Manufacturing International (Shanghai) Corporation (hereinafter referred to as the RESPONSIBLE PARTY) the Greenhouse Gas (GHG) Assertion in the form of GHG Report covering GHG emissions of the period 01 Jan. 2023 to 31 Dec. 2023 (hereinafter referred to as the REPORT PERIOD)

Roles and responsibilities

The management of the RESPONSIBLE PARTY is responsible for the information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.

It is the responsibility of SGS to express an independent GHG verification opinion on the GHG statement as provided by the RESPONSIBLE PARTY for the REPORT PERIOD.

According to ISO 14064-3:2019, SGS has conducted a third-party verification of the provided GHG statement by RESPONSIBLE PARTY against the requirements of ISO 14064-1:2018 in the period 22-23 Jan. 2024. The verification is based on the verification scope, objectives and criteria as agreed between the CLIENT and SGS on 19 Jan. 2024.

Level of Assurance

The level of assurance agreed is that of Reasonable assurance.

Scope

The CLIENT has commissioned an independent verification by SGS in accordance with ISO 14064-3:2019 to assure the reported GHG emissions of RESPONSIBLE PARTY, in conformance with ISO 14064-1:2018 requirements within the scope of the verification as outlined below. The data and information supporting the GHG statement is historical in nature.

This engagement covers verification of emission from anthropogenic sources of greenhouse gases included within the organization's boundary:

- The organizational boundary is established following Operational control approach
- Location/boundary of the activities: No. 18, Zhangjiang Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, P.R. China
- Physical infrastructure, activities, technologies and processes: The manufacture of wafer
- GHG sources, sinks and/or reservoirs included: GHG sources as presented in the GHG inventory and report of the RESPONSIBLE PARTY
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- GHG information for the following period was verified: 01 Jan. 2023 to 31 Dec. 2023
- GWP adopted: IPCC 6 Assessment Report.
- Intended user of the verification statement: Group / Client / Supplier

Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG statement

- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Criteria

Criteria against which the verification assessment is undertaken are the requirements of ISO 14064-3:2019.

Materiality

The materiality required of the verification is considered by SGS to 5%, based on the needs of thof

This statement shall be interpreted with the GHG statement of GHG Report of the RESPONSIBLE PARTY as a whole.

Note: This Statement is issued by SGS-CSTC Standards Technical Services Co., Ltd. or Greenhouse Gas Validation & Verification Services. The findings recorded hereon are based upon a verification performed by SGS. A full copy of this statement, the findings and the supporting GHG Assertion may be consulted from RESPONSIBLE PARTY. This Statement does not relieve Client from compliance with any by laws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.

The verification statement of greenhouse gases is concluded in English. Any translation differences, the English version shall prevail.