Independent Greenhouse Gas (GHG) Verification Statement

Emirates Global Aluminium (EGA) PJSC – Al Taweelah Smelter

Emirates Global Aluminium PJSC, PO BOX 109111, Abu Dhabi, UAE ("EGA" or "Company") commissioned DNV AS – Abu Dhabi Branch. ("DNV", "us" or "we") to conduct a limited level of verification of its Greenhouse Gas ('GHG') emission data (scopes 1 2, and 3) for the period 1st January 2024 to 31st December 2024 (Year 2024).

Our Conclusion: Based on our verification procedures and agreed-upon scope of work, nothing has come to our attention to suggest that the GHG emissions in the table below are not materially correct or a fair representation of the Scope 1, Scope 2, and Scope 3 GHG emissions of EGA's GHG Inventory calculated in line with the GHG Protocol, Aluminium Sector Greenhouse Gas Protocol and IAI Scope 3 Calculation Tool Guidance covering operations for the year 2024.

GHG Emission Sources	GHG emissions (tCO_2e)	GHG emissions intensity (tCO_2e/t of Al)[1]
Scope 1[2]	12,217,931	7.078
Scope 2 (Location-based)	222,545	0.142
Scope 2 (Market-based) *	-	-
Scope 3[3]	4,188,798	2.680
Total (Location-based)	16,629,274	9.900
Total (Market-based)	16,406,729	9.758

*The market-based Scope 2 emissions are reported as zero, as the electricity imported from the grid has been fully offset through the redemption of International Renewable Energy Certificates (I-RECs). Details of the redeemed I-RECs are provided in Annexure I of this statement.

Scope of Work and Boundary

The scope of work as agreed with the Company includes verification of its GHG Inventory as follows:

- **Direct GHG emissions (Scope 1):** Covering the stationary combustion in Power Plant, Cast House, Carbon Plants, and mobile combustion from vehicles and equipment owned and/or operated by EGA, and fugitive emissions from refrigerant consumption. This also includes CO_2 emissions from the net anode consumption in electrolysis process, PFC emissions, emissions from pitch volatile matter oxidation, bake furnace packing material, and consumption of soda ash in the aluminium production process.
- **Indirect GHG emissions (Scope 2):** Covering the GHG emissions from electricity consumption using both the location-based and market-based approaches, in line with the GHG Protocol. The location-based method applies the grid emission factor to calculate emissions. Under the market-based approach, EGA procures and retires International Renewable Energy Certificates (I-RECs) equivalent to its grid electricity consumption, enabling the reporting of zero market-based Scope 2 emissions.
- **Indirect GHG emissions (Scope 3):** Covering the GHG emissions on account of Purchased Goods and Services (Category 1), Fuel and energy-related activities (Category 3), Upstream transportation and distribution (Category 4), Downstream transportation and distribution (Category 9), and Processing of Sold Products (Category 10)

Verification was carried out at the EGA's facility in Abu Dhabi (Al Taweelah Smelter) as part of the process of reviewing the Company's internal protocols, processes, and controls related to the collection and collation of its GHG emissions assertions. EGA consolidates its Scope 1 and 2 emissions using the GHG Protocol's operational control approach, accounting for all operations where it has control.

Our competence, and Independence

DNV applies its own management standards and compliance policies for quality control, which are based on the principles enclosed within ISO/IEC 17029:2019- Conformity Assessment – General principles and requirements for validation and verification bodies and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory requirements. DNV has complied with the Code of Conduct during the verification engagement and maintains independence where required by relevant ethical requirements as detailed in DNV VeriSustain™, version 6.0.

This engagement work was carried out by an independent team of sustainability and GHG assurance professionals. DNV was not involved in the preparation of any statements or data except for this Assurance Statement. DNV maintains complete impartiality toward EGA's internal stakeholders interviewed during the assurance process. DNV did not provide any services to company or its subsidiaries in the scope of verification for the year 2024 that could compromise the independence or impartiality of our work.

[1] *GHG emission intensity is calculated based on hot metal production at Al Taweelah Smelter. Scope 1 emissions include direct emissions from aluminium production (including casting), excluding emissions associated with exported electricity.*
[2] *Scope 1 emissions associated with electricity export are included in the absolute emissions but excluded from the product emission intensity calculations.*
[3] *Alumina purchased from external suppliers is included in Scope 3 Category 1 emissions; alumina produced within EGA's boundary is excluded.*

Basis of our conclusion

DNV planned and performed the verification assessment to obtain the necessary evidence to provide a limited level of assurance, adopting a risk-based approach in selecting samples to assess the robustness of the underlying data management system, information flow, controls, quality verification, and check procedures. DNV carried out the following activities:

- **Desk review** of the Scope 1, 2, and 3 emissions for the year 2024.
- **Understanding the GHG management procedures**, including formats, assumptions, emission factors, and calculation methodologies, as well as the Company's GHG data management processes used to generate, aggregate, and report the GHG data, assessing completeness, accuracy, and reliability.
- **Site verifications** with data owners and management teams across EGA's facility to review procedures for measuring, validating, and verifying the identified activities and emission sources, and related evidence maintained by the management teams.
- **Interactions with key managers and data owners** to review data consolidation systems related to the GHG inventory, including reviews of emission factors and assumptions used in the calculation methodology.
- **Evaluation of GHG emissions data** using the reliability principle in conjunction with EGA's methodologies (which are based on GHG Protocol, IAI Guidelines for process and scope 3 emissions) on data analysis, aggregation, measurement, and reporting.
- **Verification of the calibration status** of equipment being used to monitor and generate activity data on a sample basis.

Inherent Limitations

DNV's assurance engagements assume that the data and information provided by EGA to us as part of our review have been provided in good faith, is true, complete, sufficient, and authentic, and is free from material misstatements. The engagement excludes the sustainability management, performance, and reporting practices of the Company's suppliers, contractors, and any third parties mentioned in the Report. We did not review financial disclosures and data as they are not within the Scope of our assurance engagement. No external stakeholders were interviewed as part of this verification engagement.

During the verification process, DNV did not come across any significant limitations to the Scope of the agreed engagement.

Some data inaccuracies identified during the verification process were found to be attributable to transcription, interpretation, and aggregation errors and the errors have been corrected.

Reporting Criteria and Verification Standards

EGA has prepared its GHG data in reference to the requirements of the below.

- ✓ GHG Protocol: A Corporate Accounting and Reporting Standard, 2015,
- ✓ The Aluminium Sector Greenhouse Gas Protocol, October 2006,
- ✓ IAI Scope 3 Calculation Tool Guidance 2022, and
- ✓ 2006 IPCC Guidelines

DNV has carried out this customized engagement in accordance with the verification principles and requirements as per ISO 14064-3:2019 and relevant sections of DNV VeriSustain™, version 6.0. This verification provides a limited level of assurance on EGA's GHG performance data based on the principles of Relevance, Completeness, Consistency, Transparency, and Accuracy applying a ±5% materiality threshold for errors and omissions.

Responsibility of the Company

The Company is responsible for the collection, analysis, aggregation, and presentation of data and information related to its GHG assertions adopting the 'Operational Control Approach' model as a performance data consolidation approach defined in frameworks and standards mentioned above in reporting criteria.

DNV's Responsibility

Our responsibility for performing this work is in accordance with the scope of work agreed with the Company. The verification engagement assumes that the data and information provided to us are complete, sufficient, and true. DNV disclaims any liability or co-responsibility for any decision a person or entity would make based on this verification statement. The verification was carried out from February 2025 to April 2025 by a team of qualified GHG assessors.

DNV AS – Abu Dhabi Branch	
Bankar, Vikas Digitally signed by Bankar, Vikas Date: 2025.04.10 13:08:09 +04'00'	Lele, Sandeep Digitally signed by Lele, Sandeep Date: 2025.04.10 13:51:34 +04'00'
Vikas Bankar - Lead Verifier	Sandeep Lele - Technical Reviewer
Gourav Panwar – Verifier	

Purpose and Restriction on Distribution and Use

This verification statement, including our conclusion has been prepared solely for the exclusive use and benefit of management of the company and solely for the purpose for which it is provided. To the fullest extent permitted by law, DNV does not assume responsibility to anyone other than company for DNV's work or this verification statement. The use of this verification statement shall be governed by the terms and conditions of the contract between DNV and the company. DNV does not accept any liability if this verification statement is used for any purpose other than its intended purpose, nor does it accept liability to any third party with respect to this verification statement.

Annexure I – Details of purchased International Renewable Energy Certificates (I-RECs)

Month	RE Power Generation Plant	Country of Origin	Energy Source	Redeemed Certificates (MWh)	From Certificate ID	To Certificate ID
Jan-24	Sweihan PV Plant	United Arab Emirates	Solar	233,773.900	0000-0217-0894-9845.750000	0000-0217-0918-3619.649999
Feb-24				181,792.683	0000-0217-0918-3619.650000	0000-0217-0936-5412.332499
Mar-24				166,777.353	0000-0217-0936-5412.332500	0000-0217-0953-2189.685499
Apr-24				155,198.673	0000-0217-0953-2189.685500	0000-0217-0968-7388.358499
May-24				157,512.000	0000-0218-2557-9792.720000	0000-0218-2573-7304.719999
Jun-24				15,311.750	0000-0217-0968-7388.358500	0000-0217-0970-2700.108499
Jul-24				3,312.255	0000-0217-0970-2700.108500	0000-0217-0970-6012.363499
Aug-24				27.490	0000-0217-0970-6012.363500	0000-0217-0970-6039.853499
Sep-24				86.300	0000-0217-0970-6039.853500	0000-0217-0970-6126.153499
Oct-24				38,714.445	0000-0217-0970-6126.153500	0000-0217-0974-4840.598899
Nov-24				234,431.010	0000-0217-0974-4840.598900	0000-0217-0978-1028.138899
					0000-0218-2557-7848.000000	0000-0218-2557-9792.719999
Dec-24				234,431.010	0000-0217-0978-1028.138900	0000-0217-1001-5459.148899
Total				**1,225,070.119**		

Note: The above I-REC redemptions apply to both the JA and AT sites. Consequently, the certificate details mentioned are relevant for both locations.