Giyani's High Purity Manganese Oxide Phase 1 Qualification From Charge CCCV's Digital DNA Program

TORONTO, Ontario, October 21, 2025 – Giyani Metals Corp. (TSXV:EMM, GR:A2DUU8) ("**Giyani**" or the "**Company**"), developer of the K.Hill Battery-Grade Manganese Project in Botswana ("**K.Hill**" or "**the Project**"), is pleased to announce that its High Purity Manganese Oxide ("**HPMO**") sample produced from its Demonstration Plant ("**Demo Plant**") in Johannesburg, South Africa, has been qualified by US battery technology leader Charge CCCV LLC's ("**C4V**") Phase 1 standards, and has proceeded to Phase 2 of C4V's Digital DNA Supply Chain Qualification Program (the "**Qualification Program"**).

Highlights:

- Giyani's HPMO has successfully met the qualification criteria of C4V's Qualification Program.
- The HPMO used in the Qualification Program was produced at Giyani's Demo Plant in South Africa, and not laboratory-scale test batches.
- Giyani will deliver additional quantities of HPMO from its Demo Plant to allow C4V to undertake Phase 2 and 3 trials.

Nigel Robinson, Interim Executive Chair of the Company, commented:

"The results from Phase 1 of C4V's Qualification Program are an important milestone which has enabled us to demonstrate that our HPMO product not only meets specifications, but also meets the performance criteria through C4V's coin cell analysis.

This is the first step towards determining the viability of our HPMO product through an independent third party, and will contribute to the offtake process being continued in parallel. We look forward to continuing to work together with C4V and will keep the market updated as we progress through Phases 2 and 3."

Phase 1 Qualification

Using HPMO from Giyani's Demo Plant in South Africa, C4V performed coin cell analysis as part of its Phase 1 testing of its Digital DNA Supply Chain Qualification Program. The analysis demonstrated that Giyani's HPMO meets the Phase 1 qualification criteria and will proceed to Phase 2. A coin cell test is designed to evaluate the electrochemical properties, such as first cycle efficiency, capacity, charge/discharge efficiency and density. Three phases of testing are required to qualify Giyani's HPMO across C4V's cathode partners. Phase 2 is expected to take approximately five months to complete and consists of single layer pouch cell testing to check for long cycling, cycling stability and rate testing. Phase 3 consists of multi-layer pouch cell testing with similar checks as Phase 2 and is expected to take approximately six months following the completion of Phase 2.

About Giyani

Giyani is focused on becoming the preferred western-world producer of sustainable, low-carbon high-purity battery-grade manganese for the EV and ESS industry. The Company has developed a bespoke hydrometallurgical process to produce battery-grade manganese products, for cathode precursor materials, critical for EVs and ESS.

Additional information and corporate documents may be found on www.sedarplus.ca and on Giyani Metals Corp. website at https://giyanimetals.com/.

Baasit Ali, Vice President – Supply Chain of C4V, commented:

"We are encouraged with the positive results from Phase 1 of our Digital DNA qualification program with Giyani Metals. Their HPMO product has shown promising performance during our internal evaluation and aligns well with our material and electrochemical standards. We look forward to advancing through the next phases of qualification and further strengthening our collaboration."

About C4V

C4V™ is a lithium-ion battery technology company possessing critical insights related to the optimum performance of lithium-ion batteries and Gigafactory's. C4V's discoveries have been fruitful in vastly extending battery life, safety and charge performance, however more important is the Gigafactory offering that allows emerging countries to establish their own robust manufacturing ecosystem. C4V works with industry-leading raw material suppliers and equipment supply chain to bring to market fully optimized batteries possessing key economic advantages providing the ultimate "best in class" performance for various applications and end- to-end solutions to produce them on a Gigawatt hour scale. With its unique and innovative business model C4V is rapidly gearing towards 100+GWh of cell production capacity globally by 2032 and its Digital DNA Supply Chain solution ensures materials meet the highest industry standards for performance and reliability.

For more information on C4V please visit http://www.chargecccv.com

On behalf of Giyani Metals Corp.

Nigel Robinson, Interim Executive Chair

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Forward-Looking Information

This news release contains "forward-looking information" within the meaning of applicable Canadian securities legislation. All statements in this news release, other than statements of historical fact, that address events or developments that Giyani expects to occur, are "forward-looking statements". Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by the words "expects", "does not expect", "plans", "anticipates", "does not anticipate", "believes", "intends", "estimates", "projects", "potential", "scheduled", "forecast", "budget" and similar expressions, or that events or conditions "will", "would", "may", "could", "should" or "might" occur.

Such statements include without limitation: the delivery of HPMO to C4V, results of phase 2 and / or phase qualifications and timing thereof, as applicable, anticipated operations in future periods, and plans related to its business and other matters that may occur in the future, and the demand for the Company's products.

All such forward-looking statements are based on the opinions and estimates of the relevant management as of the date such statements are made and are subject to certain assumptions, important risk factors and uncertainties, many of which are beyond Giyani's ability to control or predict. Forward-looking statements are necessarily based on estimates and

assumptions that are inherently subject to known and unknown risks, uncertainties and other factors that may cause actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking statements. In the case of Giyani, these facts include anticipated operations in future periods, planned construction and development of its properties and facilities, and plans related to its business and other matters that may occur in the future. This information relates to analyses and other information that is based on expectations of future performance and planned work programs.

Forward-looking information is subject to a variety of known and unknown risks, uncertainties and other factors which could cause actual events or results to differ from those expressed or implied by the forward-looking information, including, without limitation: inherent exploration hazards and risks; risks related to exploration and development of natural resource properties; uncertainty in Giyani's ability to obtain funding; commodity price fluctuations; recent market events and conditions; risks related to governmental regulations; risks related to obtaining necessary licences and permits; risks related to Giyani's business being subject to environmental laws and regulations; risks related to the Company's mineral properties being subject to prior unregistered agreements, transfers, or claims and other defects in title; risks relating to competition from larger companies with greater financial and technical resources; risks relating to the inability to meet financial obligations under agreements to which they are a party; ability to recruit and retain qualified personnel; and risks related to the Company's directors and officers becoming associated with other natural resource companies which may give rise to conflicts of interests. This list is not exhaustive of the factors that may affect Giyani's forward-looking information. Should one or more of these risks and uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in the forward-looking information or statements.

Giyani's forward-looking information is based on the reasonable beliefs, expectations and opinions of the Company's respective management on the date the statements are made, and Giyani does not assume any obligation to update forward looking information if circumstances or management's beliefs, expectations or opinions change, except as required by law. For the reasons set forth above, investors should not place undue reliance on forward-looking information. For a complete discussion with respect to Giyani and risks associated with forward-looking information and forward-looking statements, please refer to Giyani's continuous disclosure documents which are filed on SEDAR+ at www.sedarplus.ca.