Technical Memorandum

Brasília, on the date of the digital signature.

To:
Mr. Amarildo Dória
Technical Engineering Manager

Subject: Environmental opinion regarding the opening of a Price Registration System (SRP) for the potential acquisition of 738.23 tons of TR-57 rails for STU-REC.

Reference: Preliminary Technical Study (ETP) and Terms of Reference (TR) – PROT 4688/2025

Dear Manager,

Considering the information provided in the procurement process regarding the acquisition of 738.23 tons of TR-57 rails for use by STU-REC, as well as the analysis of the sustainability criteria assessment contained in Item 20 of the Terms of Reference, I find no environmental impediments that would prevent the execution of the procurement, provided that the contractor complies with the recommendations related to the execution of the services. I agree with the conditions established in Item 20, which contributes to CBTU's sustainable best practices.

Considering the information presented in the technical documentation, I recommend revising the wording in both the Preliminary Technical Study (ETP) and the Terms of Reference so that both documents contain consistent content regarding sustainability criteria.

Given that the acquisition of the material will positively impact the improvement of the services provided by the Company, as a federal public enterprise we must continuously pursue best market practices aimed at sustainability in our procurement procedures and processes, while also complying with the applicable environmental legislation and guidelines.

The acquisition of railway rails shall comply with environmental, social, and economic sustainability criteria, in accordance with Federal Law No. 13,303/2016 and Federal Decree No. 7,746/2012, which establishes guidelines for promoting sustainable national development in public procurement. Therefore, the procurement process shall prioritize solutions that reduce environmental impacts throughout the entire product life cycle, including manufacturing, transportation, use, and final disposal or reuse of materials.

The railway rails to be supplied shall be manufactured in compliance with the applicable environmental legislation and through industrial processes that include energy efficiency practices, atmospheric emissions reduction measures, and industrial waste control. It is recommended that the manufacturer adopt certified environmental management systems, such as ISO 14001 or equivalent standards, demonstrating its commitment to the continuous improvement of environmental performance in its production activities.

With regard to waste management, any surplus metallic materials, packaging, or components used for the protection and storage of the rails shall be disposed of in an environmentally appropriate manner, prioritizing reuse and recycling, in compliance with the guidelines established by Federal Law No. 12,305/2010. Whenever possible, recyclable or reusable packaging materials should be used in order to reduce waste generation throughout the logistics process.

Additionally, it is recommended that the railway rails present high durability and mechanical resistance in order to extend their operational service life and reduce the need for frequent replacements. This characteristic directly contributes to the sustainability of railway infrastructure by minimizing the consumption of natural resources and the environmental impacts associated with the manufacture and transportation of new materials.

The contracted company shall observe and comply with all recommendations and guidelines issued by the STU-REC Environmental Team throughout all stages of contract execution, basing its activities on sustainability and environmental management best practices. Such procedures shall be considered essential for the proper execution of the procurement object, and the contractor shall adopt preventive and mitigation measures aimed at minimizing potential environmental impacts arising from its activities, these procedures being fundamental to the execution of the procurement object.

Sincerely,

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CARLOS EDUARDO PAUZEIRO VIEIRA BARCELOS
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Carlos Eduardo P. Vieira Barcelos
Coordinator of the Sustainability Committee
CBTU/AC