

“Supports LLBR palm sugar production house development”

1. Background

FORCLIME is a part of the GIZ programme. The overall goal of the program is to reduce greenhouse gas emissions from the forestry sector while improving the livelihoods of Indonesia's poor rural communities. In order to achieve this goal, the Program Team will support the Government of Indonesia in designing and implementing legal, policy and institutional reforms for the preservation and sustainable management of forests, at the local, provincial and national levels. FORCLIME's geographical focus is East Indonesia and the Provinces of Central Sulawesi, Papua and West Papua. Support for the implementation of international forestry policy mechanisms at the local level, including REDD+ under the Climate Change Convention and the Access and Benefit Sharing Mechanism (ABS) established under the Convention on Biological Diversity is an important feature of the program, and produces decision-makers with experience on how international concepts can be implemented on the ground

Palm sugar is a natural sweetener obtained from the sap of the sugar palm tree (*Arenga pinnata* Merr.). In Indonesia, palm sugar has long been an integral part of the culture and economy of rural communities, especially in palm-growing areas. Beyond its traditional sweetener, palm sugar has significant potential to be developed into a variety of innovative products with high added value. This aligns with the global trend for natural, healthy, and sustainable food and beverage products. Developing palm sugar derivatives will not only increase competitiveness in local and international markets but also has the potential to open new economic opportunities for palm farmers. Beyond the economic aspect, developing palm sugar products also supports environmental sustainability.

The sugar palm tree is known as a versatile plant that maintains soil and water conservation and provides a variety of non-timber forest products. By encouraging the development of the palm sugar industry, we indirectly contribute to preserving the ecosystem and local culture closely linked to the palm tree. This potential is reinforced by research by Wulandari et al. (2021) published in the "Jurnal Ilmu Pertanian Indonesia," which emphasizes the importance of developing palm-based products to support a circular economy and sustainable development in rural areas. Therefore, investment in research and development of palm sugar products is not merely a commercial endeavour, but also a strategic step to achieve food security, community welfare, and environmental sustainability.

The German Federal Ministry for Economic Cooperation and Development (BMZ) through GIZ-FORCLIME recognizes the importance of this activity to Supporting the Development of Palm Sugar Products in the Lore Lindu Biosphere Reserve Area. This support under Output 2. Main Activity 2.2.2 Activity 1. Support Supply Chain Palm Sugar Development in LLBR through Capacity building for Gula Aren Batok farmer groups and Gula Semut cooperatives.

2. Objective

Provision of qualified construction palm sugar production house in Central Sulawesi.

3. Expected results

2-unit Gula Aren Batok and 1-unit Gula Semut facilities are available and ready to be used by the farmer groups and cooperatives in Central Sulawesi.

4. Scope of work

The Contractor shall provide the following work/service. Conducting the development of facilities and infrastructure for the palm sugar supply chain and its production tools, but not limited to:

- a. **Output 1.** 2 units Preliminary work, earthwork and sand work, and structural work on the Gula Aren Batok facilities have been completed
- b. **Output 2.** 1 unit Wall, roof, ceiling, architectural, electrical, and structural work on the Gula Semut facilities have been completed.

5. Tasks, deliverables, and timeline

The provider will make available above-mentioned the construction in Bakubakulu Village, Salua Village and Maku Village from 28 September 2026 to 30 December 2026.

Milestones/ partial works	Deadline/place/person responsible	Criteria for acceptance	Payment Term
Output 1: Preliminary work, earthwork and sand work, and structural work on the Gula Batok facilities have been completed	28 October 2026	2-units 100% Work completed according to approved drawings and specifications. - Materials and quantities match the agreed Bill of Quantity. - Submission of warranty (if any) and handover report (before-after picture) signed by both parties	First payment 40% (after all works completed and certified by GIZ)
Output 2: Wall, roof, ceiling, architectural, electrical, and structural work on the Gula Semut facilities have been completed	15 November 2026	1 unit 100% Work completed according to approved drawings and specifications. - Materials and quantities match the agreed Bill of Quantity. - Submission of warranty (if any) and handover report (before-after picture) signed by both parties	Second payment 55% (after all works completed and certified by GIZ)
Retention	15 December 2026		Final payment 5% (will be released after the defects liability period has expired, provided the Works are free of defects)

6. Qualification

- The provider has experience in booths construction, handling and time management up to installation of agreed products on site and production referring to the prepared design
- Companies with construction permits can be CV or PT with active construction SBU (Business Entity Certificate)
- Have at least 3 years' construction experience in building and housing
- Have NIB (Business Identification Number) and registered annual tax (SPT).

7. Annex

Design “Denah Rumah Gula Batok” and “Denah Rumah Produksi Gula Semut”.