ANNEX IV – JOB DESCRIPTION

1. GENERAL INFORMATION

Calucem d.o.o. is implementing "Development of a new innovative ECO_2Flex product" project, in accordance with the project application submitted to the Call for Proposals "*Increasing the development of new products and* services *that derives from R&D activities – Phase II*" (ref No: KK.01.2.1.02), implemented by the Croatian Agency for Small Business, Innovation and Investment; HAMAG BICRO and the Ministry of Economy and Sustainable Development and Grant Contract No. KK.01.2.1.02.0047.

The project is co-financed by the European Regional Development Fund under the Operational Program Competitiveness and Cohesion 2014 - 2020.

The Company plans to develop an innovative technological solution in the construction industry, for reduction of CO_2 and usage of energy in production, called ECO_2Flex, which is based on a combination of patented calcium aluminate cement (CAC) with selected CO_2 neutral cementitious materials (SCM). Partners on a project that will contribute to the successful implementation of the project and the development of an innovative technological solution in the construction industry called ECO_2Flex are the University of Zagreb Faculty of Civil Engineering and Calucem GmbH, Germany.

2. JOB DESCRIPTION / TECHNICAL DESCRIPTION

The subject-matter of procurement: External services for testing the potential of grinding slags

Procurement number: 22/2021

2.1. INTRODUCTION

Calucem has launched an innovative EU funded project – ECO_2Flex – to develop a novel high-performance Calcium aluminate clinker with reduced energy and CO_2 footprint. This project involves also the screening of appropriate CO_2 neutral cementitious materials (SCM) which will be part of the final portfolio product. The potential SCM will be ground and/or co-ground with ECO_2Flex clinker to targeted Blaine. Specific blending ratio will provide valuable data to define and evaluate the key indicator performance for the development of ECO_2Flex family product.

2.2. TASK DESCRIPTION

The service shall include:

1. Grindability tests according to Zeisel or equivalent method including density determination
2. The ball charge of mill for grinding trial preparation based on Calucem industrial mill specification.
3. Grinding test at 4000 cm^2/g acc. to Blaine, +/- 150 cm^2/g

The project "Development of a new innovative Eco₂Flex product" is co-financed by the European Regional Development Fund

4. Measurement and testing of the particle size distribution of the final product
5. Expertise consultancy for scale up procedures and optimization of Calucem industrial grinding facility

3. TENDER

Tenderer confirms that he offers the required services described in item 2. JOB DESCRIPTION / TECHNICAL DESCRIPTION of the Annex IV – Job description, by submitting signed and certified Annex IV – Job description.

FOR TENDERER:

At _____, on_____

LS _____

(*first name, last name, title and signature of authorized person*)