

Production Process Officer for Community Edge Enterprise (IEsteem)

About Community Edge Enterprise

Community Edge Enterprise is a social enterprise that transfers relevant technologies and solutions to local communities to economically empower them and accelerate positive social change. We identified briquettes as a solution for Zambia's energy challenges, especially when it comes to limited access to cooking and heating fuel. In line with this, Community Edge Enterprise is running a project called IEsteem Briquetting Project that seeks to increase the transfer, adoption, and utilization of briquettes in Zambia. In addition, IDIN is funding the initial phase of this project through a Microgrant. The pilot project seeks to work with over 20 women groups who are based in Sinda district and is housed at the IEsteem Hub, Sinda District.

The IEsteem Hub is a community creative space where community members are able to come and be trained in basic skills such as entrepreneurship, Self-awareness, creativity, and etc to enhance the adoption of various technologies that may be transferred to the community. While the hub focuses on women and youth for the briquetting project, the creative space is open to all interested in utilizing it. Other than the Founder and Director, the team also consists of one volunteer that coordinates training and two apprentices that work at the hub full time. We strive to be a catalyst for economic empowerment and social change using technology transfer and development.

About the Job

The IEsteem Project has begun initial production of briquettes, but is still using rudimentary processes. It is now anticipated that the project should move to commence production at a commercial level. However, because demand for the project was still being assessed, the production process has not been designed. The position therefore encompasses the development of a production process guide for the production of briquettes from the point of collection of raw materials to packaging. The guide should also consider the time needed to process production and available resources such infrastructure, equipment and human resources. It should also clearly state all relevant equipment and utensils needed to achieve efficient production capacity.

The internship will primarily be located in the IEsteem Hub in the Sinda District of Zambia.

Duties and Responsibilities

1. Design a small- medium scale briquette production process/unit that is efficient, reduces cost, improves sustainability, and maximizes profitability while considering the current process already being used in production.
2. Develop a guide that includes requirements for testing the quality of the briquettes should also be produced.

Qualifications

The candidate will have skills in the following areas:

1. Engineering Degree, preferably mechanical engineering or process engineering
2. Be able to speak and write English effectively
3. Good visual and spatial awareness
4. Technical and creative skills
5. Knowledge of process related standards as it relates to basic health and safety
6. Experience in process simulations
7. Communication and interpersonal skills
8. Knowledge of briquetting would be an added advantage

How to Apply

Please send a CV and cover letter outlining the candidate's motivation for joining the IEsteem team to Yvonne Mtumbi at ymulambwa@gmail.com and IDIN at idin-opportunities@mit.edu. Please include the contact information for two references in your application.

This is a full-time voluntary position, but we would be happy to work together with the candidate to apply for whatever other finances could be obtained to support them during the period. In addition, housing, Internet, and local travel costs will be provided by the IEsteem team. The position will last for a minimum of one month and will preferably start as soon as possible.