



RESPONSE TO RTEC COMMENTS

SETUP CORE ☐ LOCAL GIA ☒

Project Title:	Un-Wasting Wastes: Recycling of Waste Plastics, Used Styrofoam, and Used Cooking Oils into Bricks
Beneficiary/Proponent:	OMSC
Province:	Occidental Mindoro
Amount Requested:	Php 905,500.00
Date of Evaluation:	February 23, 2023

RTEC Comments	Response
1.Specify the dimension of the produced bricks.	The dimension of bricks to be produced is 4 x 8 inches
2.The Materials Science Division of the ITDI provides expertise on waste treatment technology. You can coordinate with them through DOST-MIMAROPA for any inquiries or to have the bricks' strength tested.	This OMSC College of Engineering has Universal Testing Machine (UTM) that can be used in testing brick strength. There are also experts who can do the tests. The OMSC will also coordinate with the Materials Science Division of the ITDI for other concerns related to waste treatment technologies.
3.Consider researching GreenAntz as this successful startup produces sustainable building materials using plastic waste, incorporating sachets and other plastics into their bricks to increase sustainability and improve insulation capacity. In addition to bricks, they have developed pervious concrete made from plastic waste, which promotes water conservation by allowing rainwater to pass through and collect in a catch basin. GreenAntz has partnered with major brands like Nestle and other multinational corporations with large plastic production, and they enhance their sustainability through ESG reporting. It is highly recommended to adopt their sachet collection practices, given the high level of sachet consumption.	Since one of the mandated functions of OMSC is research, the project will also develop new eco-products such as building materials. Research will be conducted on the use of other waste materials, such as sachets, in improving the characteristics of the bricks produced. The proponent will benchmark on the sachet collection practices of GreenAntz, and the practices of other organizations.



4. Consider targeting small pabahay programs as a potential market, given their emphasis on finding affordable supplies and materials. Their focus on cost effectiveness makes them an attractive market for products that offer competitive pricing.	It will be considered once the production of bricks and other products is in full operation. The acceptability of the bricks and other products will be studied.
5. Consider having the municipal garbage collection as an additional source of waste to encourage consumer participation towards waste reduction and management. Offering incentives to those who contribute to the program can help promote a cleaner community, and effectively engage consumers in the campaign.	The project targets the reduction of waste materials in its three campuses. However, other sources may be considered, such as the LGU-MENRO collection, if the campus waste is insufficient. One of the plans is an incentive system for student involvement in the waste collection. A partnership/collaboration with other organizations, such as cooperatives, will be established for this proposed system.

Prepared by:


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