



Republic of the Philippines  
**OCCIDENTAL MINDORO STATE COLLEGE**  
Labangan, San Jose, Occidental Mindoro  
Website: [www.omsc.edu.ph](http://www.omsc.edu.ph) Email address: [omsc\\_9747@yahoo.com](mailto:omsc_9747@yahoo.com)  
Tele/Fax: (043) 457-0231



## College of Engineering

July 1, 2024

**MA. JOSEFINA P. ABILAY, PhD**  
Regional director  
Department of Science and Technology  
Region IV-MIMAROPA  
Bicutan, Taguig

Dear Madam:

Greetings!

The province of Occidental Mindoro is one of the biggest salt producers in the country and salt production is one of the forces driving the economy of the province. Being known as a major contributor to the total salt production of the country, it is now facing challenges brought about by climate change, production losses, poor logistics, poor production and organizational management, water pollution, lack of research and development activities on salt productivity and few policies in place to support the industry.

The salt ponds in the province use the traditional evaporation ponds with salt beds made up of clay tiles laid purposely to store the salt water and to provide an area for the crystallization and harvesting of salt crystals. Salt bed tiles commonly known as "tisa" are a product of oven-dried or kiln-dried clay. With almost 35, 000 salt beds in the province, the need for clay tiles for repair and new salt beds continue to increase (TAMACO, 2023). The availability of kilns and furnaces is limited in the province and feedback from the users of local tiles stated weak properties of the clay tiles to resist salt intrusion and tend to pulverize in a short period. This calls for a need for a fuel-efficient kiln that can dry salt bed tiles at design heating capacity to guarantee the quality of the tiles produced and sustain the needs of the local salt industry.

Occidental Mindoro State College as a member of the Occidental Mindoro Salt Council is tasked to undertake research related to the salt industry which includes the development of technology-based products that can help optimize the processes in salt production. OMSC aims to help the salt bed clay tiles in the province through the implementation of the project titled: Design and development of fuel-efficient kiln for salt bed tiles".

In this regard, the OMSC would like to request technological assistance through the DOST-GIA for the realization of the said project. Rest assured that all pertinent requirements will be provided to DOST-PSTC for the implementation of the project.

Hoping for your favourable response.

Respectfully yours,

  
**MICHELLE D. ENRIQUEZ, CE, MPA, PhD**  
College Dean

Recommending Approval:

  
**RONALDO G. ORPIANO, PhD**  
VP for Research, Development and Extension *elfw*

Approved/Disapproved:

  
**ELBERT C. EDANIOL, EdD**  
SUC President III

