



Product Output •

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The equipment was developed to address the tedious manual method of crushing, piling and hauling using rakes, cane baskets, and wheelbarrows for salt harvesting.

It also seeks to improve the quality, productivity and efficiency of solar salt processing in deep crystallizer salterns.

The technology can be adopted by other solar salt producers practicing deep crystallizer salterns, which does not only provide opportunities to the local salt industry but to the local fabrication industry as well.

About S4CP CRADLE

The Department of Science and Technology (DOST) is implementing the Collaborative Research and Development to Leverage Philippine Economy (CRADLE) Program as part of its Accelerated R&D Program for Capacity Building of R&D Institutions and Industrial Competitiveness under the Science for Change Program.



Contact Us:

Phone

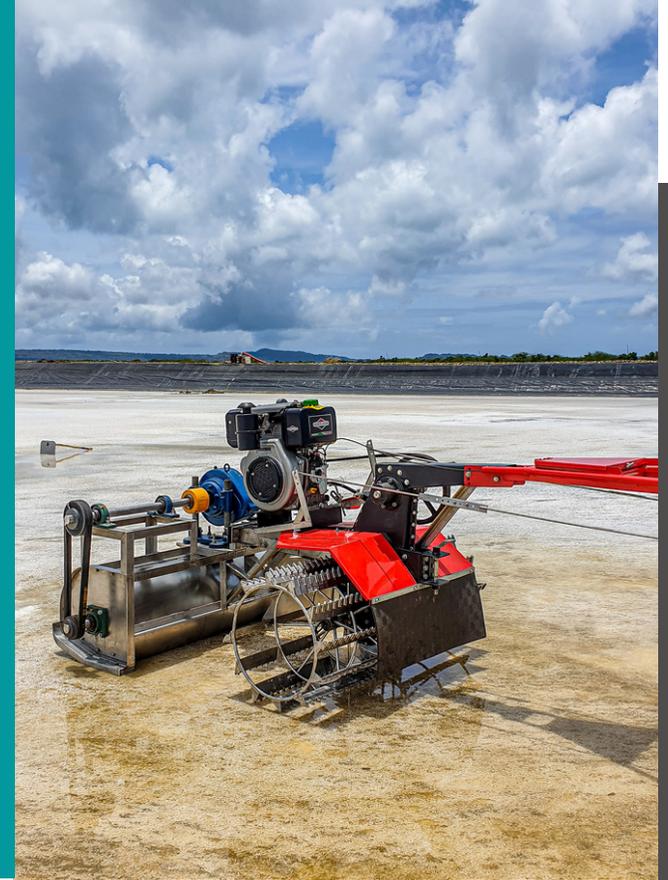
837-2071 local 2276 / 2216

Website

www.itdi.dost.gov.ph

Email

ced@itdi.dost.gov.ph



Collaborative R&D to Leverage the Economy (CRADLE) Program

DOST - ITDI DEVELOPED

SALT HARVESTER

The Team



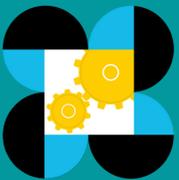
Funding Agency:

DOST - S4CP



Implementing Agency:

DOST - ITDI



Monitoring Agency:

DOST - PCIEERD



Project Cooperator

JALD INDUSTRIES



SALT HARVESTER

To improve productivity and efficiency of solar salt processing in deep crystallizer salterns, design and prototyping of a first ever locally fabricated salt machine is being proposed. The proposed prototype will mechanize the process shortening the harvest period from months into only a few days. By doing such, a higher quantity and quality of salt can be produced in a shorter amount of time addressing the issues on impurities contamination and product losses. The technology can be adopted by other solar salt producers providing opportunities not only to the local salt industry but to the local fabrication industry as well. In order to fulfill these objectives, this project study was proposed.

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**Inspired by
Technology,
Driven by
Innovation.”**

TECHNICAL SERVICES

- Technical Assistance for improved Solar and Cooked Salt Production.
- Brine Management for Salt Production.
- Design & Fabrication of Equipment
 - Salt Evaporating Setup
 - Salt Washer
 - Salt Spin Dryer
 - Salt Iodizer
- Capacity Building for Internal Quality Assurance / Quality Control
- Calibration and Training on the Use of WYD Iodine Checker
- Preparation of WYD Test Reagents.

