

XI MINERAL RESOURCES

Project Title: SURVEY ON THE QUANTITY AND QUALITY OF CLAY DEPOSITS IN ILIGAN CITY & LANA DEL NORTE

Name of Principal Investigator: Angela T. Silayro

Address: Ceramics Center, MSU-Iligan Institute of Technology Iligan City

Description of the Project:

The research project involves an intensive study on the local clay resources in Iligan City and Lanao del Norte, through a sampling survey. It is but a part of the national program the ultimate objective of which is to accelerate the development of cottage or small-scale industries, like the ceramics industry.

Specifically, it aims to identify clay-bearing areas in Iligan City and Lanao del Norte by mining clay samples, and to determine the appropriate use of the clay materials through a series of physical testing.

This 14 1/2 month research survey is a joint undertaking by the Indigenous Crafts and Technology Research Center (ICTRC) and the Ceramics Center of MSU-Iligan Institute of Technology (MSU-IIT). The latter provides the technical expertise and facilities needed by the research work; whereas, ICTRC provides the necessary financial and administrative support to the project.

The project's expected output is a report with data on areas bearing commercial clay resources in Iligan City and Lanao del Norte, its approximate volume and appropriate use. This output will then serve as the basis for the implementation of some series of related projects, such as the fabrication of locally designed clay beneficiation equipment, and the development of new ceramic products and designs thereof through a ready supply of low-cost processed clay.

Project Cost: ₱43,000.00

Source of Funding: MSU-IIT

Cooperating Agencies: a. Bureau of Soils
b. Bureau of Mines
c. Ceramics Research & Development Center (CRDC)

Date Started: October 16, 1979

Duration or Expected Date of Completion: December 31, 1980
14 1/2 months

Present Status of Project:

The research project has recently completed the clay sampling survey covering Iligan City. Presently, the physical testing of the clay samples gathered is worked-out.

Meanwhile, the research team is conducting the clay sampling survey covering Lanao del Norte.

Project Title: MINERAL DRESSING OF LOW-GRADE PORPHYRY COPPER ORES IN THE PHILIPPINES

Name and Address of Principal Investigator: Joint research — National Institute for Pollution and Resources of

Japan and Philippine Bureau of
Mines and Geo-Sciences

Description of the Project:

Activities are directed toward developing a feasible method of recovering mineral values from copper ore with emphasis on hydrometallurgical and pyrometallurgical process. The subject of this research were the Basay, Negros Oriental Copper Molybdenum Ore and the Kingking, Davao del Norte Mixed oxide-sulfide copper ore.

Project Cost and Source of Funding - Funded by Japanese Gov't

Date Started: 1973

Duration and Expected Date of Completion: 5 years, March, 1978

Present Status: Completed

Project Title: STUDIES ON THE UTILIZATION OF EXPANDED PERLITE AS LIGHT-WEIGHT AGGREGATE AND FOR VARIOUS INDUSTRIAL APPLICATIONS

Name and Address of Principal Investigator: Ricardo Manlapig
National Institute of Science and
Technology, Pedro Gil, Manila

Description of the Project: This study aims to establish methods on procedures of bonding expanded perlite with cement, bitumen, lime, gypsum, water glaze and others. It also evaluates the bonded perlite products by conducting standardized physical and chemical tests and to compare quality and performance with known products having similar uses.

Project Cost and Source of Funding: ₱ 326,800,100

Cooperating Agencies: None

Date Started: 1973

Present Status: Suspended as of July, 1974

Project Title: CHALK-MAKING AT THE ILOILO SCHOOL OF ARTS AND TRADES

Name and Address of Principal Investigator: Mr. Pepito O. Palomero
Iloilo School of Arts and Trades
La Paz, Iloilo City

Description of the Project:

Since chalk as an aid for teaching is a consumable item, the Iloilo School of Arts and Trades as one of its functions to produce economic goods and provide service in the region spearheaded a program of chalk manufacturing to provide boxes of chalk to city, provincial school teachers in the region both public and private schools. The demand for the chalk is high since we have to cater to the needs of the schools for the year round.

The Iloilo School of Arts and Trades in Iloilo City has the facilities to manufacture chalk out of clay in its ceramic shop which is managed by Mr. Pepito Palomero, Japan trained ceramic specialist with a Japanese technician who is also supervising the chalk manufacturing.

Project Cost and Source of Funding:

A. Estimated Expenses (Initial Operation)

15 x P 160.00	—	P 2,400.00	— Rubber Molds
10 x P 130.00	—	1,300.00	— Plaster of Paris
200 x P 1.50	—	300.00	— Chip Board
6 x P 90.00	—	540.00	— Labor
2 x P 230.00	—	<u>460.00</u>	— Honoraria
Total		P 5,000.00	

Source of Funding — From the school's maintenance and operating Expenses (MOE) in the Budget.

Cooperating Agencies: NACIDA for marketing and financing

Date Started: June, 1980

Duration or expected date of completion: Continuous operation to meet the continuous demand of the schools.

Present Status of the Project: The project is operating on a P 5,000.00 capital investment provided by the school administration. At present, there are 20,000 pcs. of chalk manufactured by ISAT and are ready for disposal to the schools in the region within this month.

Other Relevant Information:

This project was initiated because of the implementation of the Income Generating Project to be initiated by all schools in line with the educational development program of the Ministry of Education and Culture.