



Republic of the Philippines
Department of Environment and Natural Resources
FOREST MANAGEMENT BUREAU
Visayas Avenue, Diliman, 1100 Quezon City
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MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA, Ermita, Manila

FROM : The OIC-Assistant Secretary for Field Operations-Western Mindanao
and Director, in concurrent capacity

SUBJECT : **PROVINCIAL RESOLUTION NO. 17614, SERIES OF 2023
REQUESTING SECRETARY MARIA ANTONIA YULO-
LOYZAGA, TO CONDUCT AERIAL SEEDING IN SOME
DENUDED PORTIONS OF THE FOREST IN THE PROVINCE
OF PALAWAN**

DATE : OCT 20 2023

Respectfully forwarded is the attached comments and recommendations of the Ecosystems Research Development Bureau (ERDB) on the proposed Resolution No. 17614 of the Sangguniang Panlalawigan of Palawan entitled "Requesting the Honorable Maria Antonia Yulo-Loyzaga, Secretary of the Department of Environment and Natural Resources (DENR) to conduct aerial seeding in some denuded portions of forests in the Province of Palawan".

Relative to the said comments and recommendations, may we further recommend to pilot test the ERDBs technology on "Fortified Seeds" in small patches of different locations in the Province of Palawan.

We will appreciate receiving feedback of actions you have taken regarding this matter.

FOR YOUR INFORMATION AND APPROPRIATE ACTION, PLEASE.


ARLEIGH J. ADORABLE, CESO III

Cc: Office of the Secretary, DENR
The Undersecretary for Field Operations-Luzon, Visayas and Environment



Department of Environment and Natural Resources
Ecosystems Research and Development Bureau

FOREST MANAGEMENT BUREAU

SEP 14 2023



MEMORANDUM

FOR : The OIC- Assistant Secretary for Field Operations-Western Mindanao, and Director, in concurrent capacity

FROM : The Director

SUBJECT : **PROVINCIAL RESOLUTION NO. 17614, SERIES OF 2023 REQUESTING SECRETARY MARIA ANTONIA YULO-LOYZAGA, TO CONDUCT AERIAL SEEDING IN SOME DENUDED PORTIONS OF THE FOREST IN THE PROVINCE OF PALAWAN**

This is to acknowledge receipt of your Memorandum dated 11 September 2023 regarding the above-mentioned subject. In this regard, this office is providing the following comments and recommendations on the proposed Aerial Seeding in Palawan, to wit:

- The Ecosystems Research and Development Bureau's (ERDB) technology on "Fortified Seeds" was tested on the conventional field planting technique however, no trials were ever made through aerial seeding. This means that we have no empirical data on the field performance (survival rate) of our "fortified seeds" should it be planted via aerial seeding. Thus, there is no guarantee on the success of said technique if the objective is to reforest barren and inaccessible areas since ERDB's "fortified seeds" were not designed for such planting method (aerial dropping); and
- Logistics limitation poses to be a problem for this planting method since we do not know any individual or entity who has the skills and appropriate equipment/facilities to do the job. Granted that facilities are available, we still cannot determine its economic feasibility considering its possible cost with no guaranteed rate of success.

In view of the foregoing, it is suggested that the Leave a Nest Philippines, Inc. with business address: Unit 501, 5F West Trade Center, West Avenue, Quezon City, 1104 Metro Manila, Philippines is said to be promoting a technology on aerial seeding that was introduced to the Philippines by Japanese scientist. However, the said technology has limited trials conducted in the country.

FOR YOUR INFORMATION AND APPROPRIATE ACTION, PLEASE.


MARIA LOURDES G. FERRER, CESO III



Republic of the Philippines
Provincial Government of Palawan
OFFICE OF THE SANGGUNIANG PANLALAWIGAN
City of Puerto Princesa

**EXCERPT FROM THE MINUTES OF THE 31ST REGULAR SESSION OF THE
44TH SANGGUNIANG PANLALAWIGAN HELD ON FEBRUARY 14, 2023
AT THE SANGGUNIANG PANLALAWIGAN SESSION HALL
CITY OF PUERTO PRINCESA**

PRESENT:

Hon. Leoncio N. Ola,	<i>Vice Governor & Presiding Officer</i>
Hon. Roseller S. Pineda,	<i>Floor Leader</i>
Hon. Rafael V. Ortega Jr.,	<i>Asst. Floor Leader – 3rd District</i>
Hon. Ryan D. Maminta,	<i>S.P. Member – 2nd District</i>
Hon. Al-Nashier M. Ibba,	<i>S.P. Member – 2nd District</i>
Hon. Ariston D. Arzaga,	<i>S.P. Member – 2nd District</i>
Hon. Al-Shariff W. Ibba	<i>S.P. Member – PCL Federation President</i>
Hon. Ferdinand P. Zaballa,	<i>S.P. Member – ABC Federation President</i>
Hon. Purita J. Seguritan,	<i>S.P. Member – IPM Representative</i>

ABSENT:

Hon. Winston G. Arzaga,	<i>Sangguniang Panlalawigan Pro-Tempore</i>
Hon. Juan Antonio E. Alvarez,	<i>S.P. Member – 1st District</i>
Hon. Maria Angela V. Sabando,	<i>S.P. Member – 1st District</i>
Hon. Marivic H. Roxas,	<i>Asst. Floor Leader – 2nd District</i>
Hon. Nieves C Rosento,	<i>S.P. Member – 1st District</i>
Hon. Anyatika R. Rodriguez,	<i>S.P. Member – SK Federation President</i>

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**RESOLUTION NO. 17614
Series of 2023**

REQUESTING THE HONORABLE MARIA ANTONIA YULO-LOYZAGA, SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR) TO CONDUCT AERIAL SEEDING IN SOME DENUDED PORTIONS OF FORESTS IN THE PROVINCE OF PALAWAN

Authored by:

HON. ARISTON D. ARZAGA

WHEREAS, known for its beauty and blessed with incredibly awesome landscapes, outstanding dive sites, majestic mountains, primeval caves, and pristine beaches, Palawan is a long, narrow island in the southwest Philippines that's sanctuary to a rich array of flora, fauna, and marine life. An anchor tourist destination, Palawan is one of the 7,641 islands that make up the Philippine archipelago;

WHEREAS, accounting for the bulk of the nation's forest cover, the Palawan rainforest is considered to be the last ecological frontier in the archipelago nation. Almost half of Palawan's topography is steep mountainous. Over 3,500 flowering plant species with 20% endemism are known from the island. The vegetation types are diverse, forest have been home to indigenous people for thousands of years;

WHEREAS, a recent study conducted by the Palawan Council for Sustainable Development, the Department of Environment and Natural Resources, and Project Sibol, which is run by the United States Agency for International Development (USAID), revealed that since 2005, the province has lost 98,000 hectares of primary forest and 3,000 hectares of mangrove forest;

WHEREAS, the said study also revealed that majority of forests had been degraded or lost due to agricultural expansion, increasing human settlement, and unabated kaingin farming;

WHEREAS, other problems include landslides, siltation, the loss of homes, communities, and wildlife, the loss of a way to make a living, the spread of illegal logging, and quarrying;

WHEREAS, with illegal logging, wildlife poaching, mangrove loss, agro-industrial development, and unsustainable mining continue to take place at alarming rates, it contributes significantly to the ongoing loss of Palawan's rainforest of about 5,500 hectares every year – the equivalent of 7,700 football pitches;

WHEREAS, aerial seeding is a means of reforesting bald portions of forests in the province which is the most practical and economical way to reforest and restore forest trees in the denuded mountains in the province;

WHEREAS, aerial seeding is a technique of plantation wherein seed balls – seeds covered with a mixture of clay, compost, char and other components – are sprayed on the ground using aerial devices, including planes, helicopters or drones in times suitable for the seeds and plants to grow;

WHEREAS, the Department of Environment and Natural Resources (DENR) will intensify the government's national greening program by planting trees on more than two million hectares of land by 2028 in line with the directive of His Excellency President Ferdinand R. Marcos Jr. to focus on reforestation efforts in the country;

NOW THEREFORE, on motion of Honorable Roseller S. Pineda duly seconded, be it

RESOLVED, as it is hereby resolved, to request the Honorable Maria Antonia Yulo-Loyzaga, Secretary of the Department of Environment and Natural Resources (DENR) to conduct aerial seeding in some denuded portions of forests in the Province of Palawan;

RESOLVED FURTHER, that copies of this resolution be furnished to Honorable Maria Antonia Yulo-Loyzaga, Secretary, Department of Environment and Natural Resources, DENR Bldg., Visayas Avenue, Diliman, Quezon City; Honorable V. Dennis M. Socrates, Governor, Province of Palawan; the Regional Executive Director, DENR MIMAROPA; Mr. Felizardo Cayatoc, PENRO, DENR, Palawan; Atty. Teodoro Jose S. Matta, Provincial Director, PCSD; Mr. Jeremias Y. Alili, PGDH-PDRMO and Atty. Noel E. Aquino, PG-ENRO, and all Municipal Mayors, all of the Province of Palawan, for their information and appropriate action.

CARRIED UNANIMOUSLY.

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I CERTIFY to the correctness of the above-quoted Provincial Resolution.

ANGELA RODRIGUEZ-PEÑA
Secretary to the Sanggunian

ATTESTED:

LEONCIO N. OLA
Vice Governor and Presiding Officer

APPROVED:

V. DENNIS M. SOCRATES
Governor
4 March 9, 2023
Date

This document is not valid without Sangguniang Panlalawigan Seal

VDMS/LNO/ARP/epp – 02/22/23

