



## Protecting the Ecosystem and Committing to Being Green



### 2020 Goal

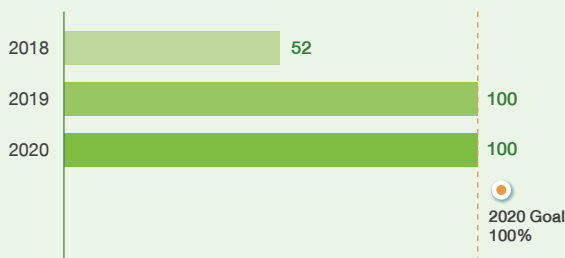


**100%**

of raw material passed an assessment to ensure that the source is free from deforestation and damages to marine resources

### Performance Against Goal

Percentage of raw materials assessed to be from responsible sources (%)



### Key Performance in 2020



Utilization of **20 tonnes** of food waste from the 'Food Waste Management' pilot project in Koh Samui



Release of juvenile blue crab **200,000 crabs**



Current total accumulation of planted trees **15,706 trees**

### Supporting the SDGs



#### SDG12 Responsible Consumption and Production

- 12.3 Halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses
- 12.5 Substantially reduce waste generation through prevention, reduction, recycling and reuse



#### SDG14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development

- 14.1 Prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution



#### SDG15 Protect, restore and support sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss

- 15.1 Ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements

## Risks and Opportunities

Biodiversity is at the heart of restoring and maintaining the ecosystem, an aspect not only important for the environment but also for human life. The origin and supply of economic and industrial resource stems from proper biodiversity preservation. It is a challenge to maintain the balance of nature through mitigation and joint restoration of the ecosystem while simultaneously conducting business activities. In the use of natural resources as raw materials in sales and logistics activities, waste from excess products impact the environment directly and indirectly through climate change. The impact includes food security risks for vulnerable groups as well as risks for operating businesses. Therefore, CP ALL Plc. and its subsidiaries (“the Company”) strongly intends to continue environmentally responsible business operations, place importance towards protecting and reviving ecosystems and biodiversity and conduct business activities with caution in order to minimize impact towards the environment. These actions will grant the next generation the opportunity to utilize valuable natural resources sustainably.

### Progress in 2020



Expansion of project ‘Ton Kla Rai Thung’ (new generation, zero waste) to include

**54** the pilot schools



‘Food Waste Management’ in Koh Samui pilot project



WE GROW for ALL project

## Management Approach

With awareness of the importance of biodiversity, the Company has set policies and operational guidelines to minimize impact on ecosystems and biodiversity. Additionally, other important matters include the restoration and conservation of natural resources and the environment through waste management, support for the protection of natural resources and the increase of forest areas.

### Guidance on Mitigating and Preventing the Risk of COVID-19

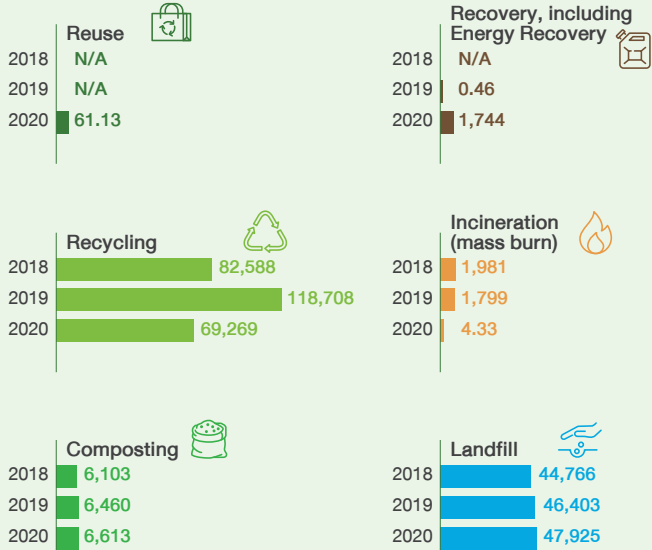


The Coronavirus disease (COVID-19) pandemic has driven people to find solutions to protect and cure themselves. In an effort to protect oneself from the novel coronavirus, some resort to exploiting plants and wildlife and thus has wreaked havoc on various species. This finding corresponds well to the global biodiversity evaluation report which states that over 1 million species of fauna and flora currently face the worst ever existential risk and potential extinction caused by humans. Therefore, the Company has strived to conduct businesses while taking into account management of the environment and biodiversity and minimized business operation impact towards the ecosystem. This effort supports the protection of the ecosystem and reduces business operation risks. The Company has incorporated the aforementioned issues into one of the sustainability goals to steadfastly form collaboration to protect and restore the ecosystem and biodiversity in every Company operating area.

## Ecosystem and Biodiversity Protection Dashboard

### Total Weight of Waste Generated (tonnes) by Disposal Methods

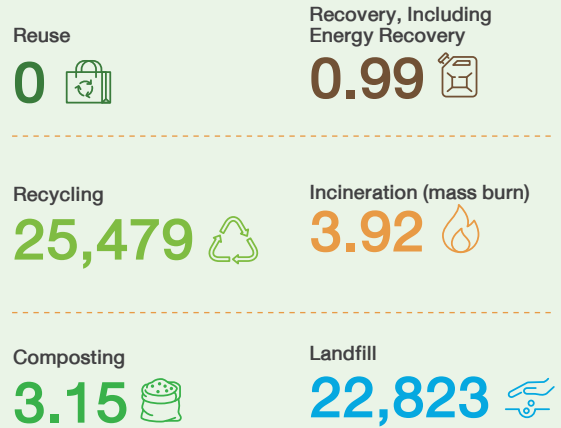
#### CP ALL and Subsidiaries



Note: Includes hazardous waste and nonhazardous waste

#### Only CP ALL

#### 2020



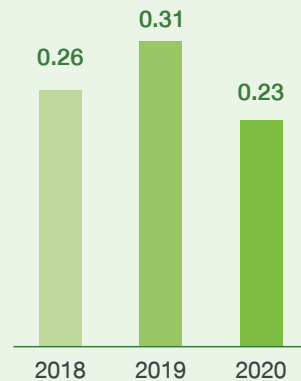
Note: Includes hazardous waste and nonhazardous waste

### Percentage of Waste Management

- Waste diverted from landfill (utilization)
- Waste directed to disposal



### Waste Intensity (tonnes per million Baht of revenue)





## Changing Behavior : Encouraging Customers to Sort Garbage

### New Gen Zero Food Waste Project Year 3

This project aims to support the youth and students by providing an opportunity to display their ability and creative ideas to tackle food waste issues altogether. These displays are delivered in conjunction with raising awareness of food waste problems that arise among the youth and the general public. Furthermore, CPRAM Co., Ltd. has collaborated with King Mongkut's University of Technology Thonburi in organizing the video clip contest 'New Gen Zero Food Waste Project' where the winner is awarded a prize worth more than 360,000 Baht. The project has been very well received and has continued for the 3rd year. In 2020, over 234 teams, composed of 102 secondary education level teams and 117 tertiary education level teams, participated. The winning team from the secondary education level is from Team Pheasant of St. Dominic's School and has presented their work 'Food Waste Break Heart'. The winning team from the tertiary education level is from team "RESET PRODUCTION" of Rangsit University and has presented their work 'How can I leave a heart in the box?'.



### Impacts and Benefits

Participating Teams  
(teams)

**234**



Work Entries (works)

• Secondary level **102**

• Tertiary level **117**



## Waste Management and Circular Economy

There is awareness of various environmental problems which arise from improper waste management. Such cascade effects include contamination in the ecosystem, the generation of greenhouse gases which in turn causes climate change affecting ecosystems and biodiversity, and the outflow of plastic waste into water bodies and oceans which impacts life in oceans. Therefore, the Company has focused on the management of waste through different approaches encompassed mainly by the Circular Economy concept. Special emphasis is given to recycling processes that converts waste into reusable material in order to reduce contamination in the ecosystem.



**Recycle Plastic Road Project :**

This project accepts donated excess plastic, grinds the plastic and mixes it with asphalt to level the ground in front of 7-Eleven stores. Therefore, employees and the community can participate by donating excess plastic, such as plastic bags, bottles and food packaging. This project has supported the reuse of wastes by 1.134 tonnes.

**CPRAM Green Life Project # Send Plastics Home :**

This project encourages employees to sort plastic wastes, collect plastic and deliver plastic to the recycling project. This project has supported the reuse of wastes by 0.237 tonnes.

**Recycled Material Pallet Project :**

The project utilizes plastic packaging made from recycled material sources. The process involves collection of degraded plastics for the recycling process and injection molding to transform degraded plastics into plastic pallets.

**Impacts and Benefits**

**Input**

Total weight of waste entered into the waste reuse process

	Plastic	<b>38.73</b> tonnes
	UHT milk / juice cartons	<b>5.19</b> tonnes
	Food waste	<b>20</b> tonnes



**Output**

Resulting products from the reuse process

	Plastic roads	<b>3</b> stores
	Packaging from recycled materials	<b>1,663</b> tonnes
	Student table and chair sets	<b>11</b> sets
	Fertilizer	<b>10</b> tonnes

**Food Waste Management Project :**

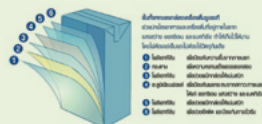
The 7-Eleven food waste and plastic packaging management project collects, sorts, converts and creates agricultural products and recycled products. This project has supported the waste recycling by 2.7 tonnes.

**Delivering Waste for Recycling by SPEED-D Project :**

The SPEED-D delivery service of CP ALL Plc. (7-Eleven) facilitates and provides customers the opportunity to easily request pickup of cleaned recyclable plastic waste at an affordable price point 24 hours a day. The service offers a channel for customers to send in sorted wastes for correct recycling through projects such as the won project, sending plastic home project and the waste to energy project, for instance. In 2020, (July to December) over 34.65 tonnes of recycled plastic have been shipped.

**Magic Box Recycling for Sharing Project :**

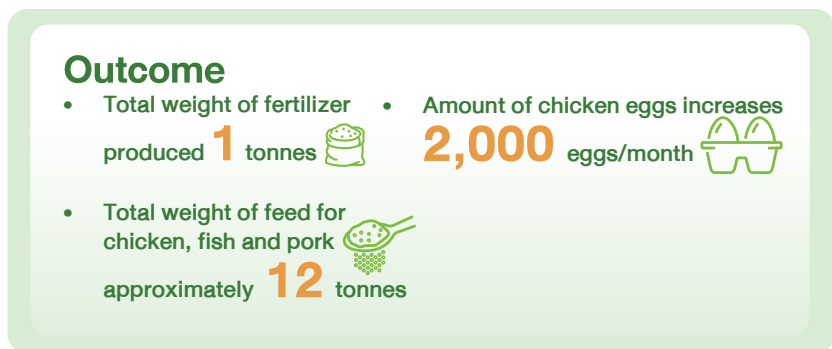
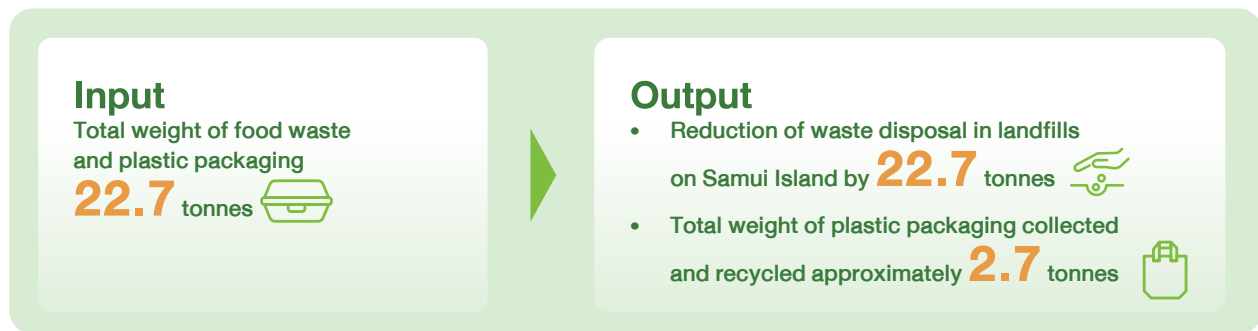
The project acts as a centralized unit for collecting UHT milk cartons, juice cartons or beverage boxes to be recycled and converted into furniture, including table sets and chairs, for the 7 Green Store and schools in need of those products. This project has supported the waste recycling by 5.19 tonnes.



### Food Waste Management Pilot Project on Samui Island

CP ALL Plc. has initiated the pilot project ‘Food Waste Model’ which manages waste and plastic packaging from 7-Eleven stores through processes of collection, sorting, conversion, and the creation of agricultural products and recycling products. In 2020, the Company has initiated the pilot project on Samui Island in collaboration with Green Island Foundation, Valuable Waste Center, Samui School, Theiparas School and Aunt Nui Waste Control on Samui Island. The total collected food waste and plastic packaging from 50 7-Eleven stores account for 60% of stores operating on Samui Island to be processed into animal feed and agricultural fertilizer for farmers within the network.

#### Food Waste Model



### Ton Kla Rai Thung Project

The project ingrain a mindset in the youth and communities to significantly reduce waste, under the “CONNEXT ED” future education project of Thap Sakae Kindergarten in Prachuap Khiri Khan Province. The specific aim is to reduce and eliminate the use of objects that can become waste such as straws, paper plates, and single-use glasses. This measure relies on cooperation with the merchants in the school whereby they disuse and halt the sales of products that will generate waste and promote the purchase of personal glasses for students as a method to reduce the use of single-use glasses. At the same time, more than 600 students in the school were taught to take part in the management of everyday waste from the beginning. Additionally, this project includes developing and integrating courses in relation to waste management, potential recycling what people consider to be waste and the conversion of wastes into organic materials. This project regenerates an income for the school and resulted in the reduction of waste from 15 tonnes per month to just 0.0002 tonnes per month. Moreover, this project has expanded to become a “Community Learning Center” welcoming people interested in visiting, learning about waste management, and disseminating knowledge with communities and other schools in association with network partners, school groups and civil society organizations.



With much success, the Company has decided to pilot a Memorandum of Understanding (MOU) with 54 schools under the Foundation for the Future of Education CONNEXT ED in 2020. The MOU with these schools includes the intention to implement such projects at their respective schools and the establishment of a “Community Learning Center” to assist with the reduction of wastes within the school and surrounding communities. The Company has contributed to this effort in multiple ways such as with budget support, provisions of waste management project manuals like those from the ‘Seedlings Without Bins’ project and learning materials to supplement a “Community Learning Center”, advice giving, monitoring and close evaluation. The culmination of these efforts lead to the establishment of a “Community Learning Center” which provides waste management knowledge to the community and an enhancement to the “Seedlings Without Bins” which provides novel techniques, which no longer requires buckets to manage waste, and mainly focuses on the proper sorting of different wastes only. The Company aims for further expansion of this project under CONNEXT ED to encompass 100 schools in 2021 and 392 schools nationwide during the 2022 academic year.



### 4R (Reduce, Reuse, Recycle, Rethink) Project

is a project CP ALL Plc. collaborated with Rajamangala University of Technology Thanyaburi to develop new recycling innovations to convert aluminum coated plastic coffee bean bags, aluminum gas tubes and coffee grounds into construction material and environmentally friendly products to boost corporate image and support to the 7 Go Green strategy.






## Maintaining Biodiversity

The Company has focused on biodiversity issues while conducting operations and realizes that risks and impact may arise as a result of Company activities. Various projects have been established to instill confidence that the ecosystem and biodiversity would be minimally impacted or disturbed, to restore natural resources which have been decimated and to drive the ecosystem back to equilibrium and a state of sustainability.

### Sustainable Blue Crab Project in Thai Seas


Currently, crab meat, which is an ingredient with increasing market demand, is a key raw ingredient in CPRAM Company Limited products. As consumers within the market continue to increase demand and depleting natural sources are not able to keep up with supply, a risk towards food source stability has been created. Therefore, the Company in conjunction with fisherman, Coastal Fisheries Research and Development Center Region 3 (Surat Thani province), and Wiya Crepe Product Co., Ltd., has encouraged and supported crab conservation initiatives in the Gulf of Thailand and Andaman Sea. The implementation of the Sustainable Blue Crab Project in Thai seas aims to increase Blue Crab populations in coastal regions of Surat Thani province. This is achieved by raising juvenile Blue Crab and releasing them when they reach the ‘Young Crab’ stage into their natural marine habitat where they can grow to become mature crabs. Furthermore, this project promotes local fishermen businesses and raises awareness of responsible Blue Crab fishing in order to increase the crab population in the coastal areas.

The Sustainable Blue Crab Project is a project the Company has given importance to, supported for over 5 years and aims to increase the crab population in their natural habitat by 200,000 per year. In 2020, the learning center and hatchling facility at the research and development center for coastal marine life has been developed at the Coastal Fisheries Research and Development Center Region 3 (Surat Thani province). Moreover, garbage collection activities around the island have assisted the conservation of coastal natural resources.

**Impacts and Benefits** 

**200,000** juvenile crabs  
 have been released into the wild

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Over **700,000** juvenile  
 crabs have been released since  
 project initiation 





### Community Rare Plant Distribution Center

The Ban Nong Ma Community area in Buriram Province, which is also one of the Company's distribution center locations, has a hot and arid climate. In the past, rare plants in this area were cut down for use and thus, the Company had an idea to establish a community rare plants distribution center. These rare plants include *Dipterocarpus obtusifolius*, *Shorea roxburghii*, *Dipterocarpus intricatus* and *Dolichandrone serrulate*. The operation starts from seed selection and progresses to seed planting and nursery cultivation with the final processes being reintroduction planting in the natural habitat and collaborative nurturing by the community. Together with the experience and expertise of the Company plant specialists, a dedicated team and the community, this initiative was first brought to Ban Nong Ma Community before project expansion to Wat Pa Chai Prasit Wanaram in Buriram Province. The aim is to deliver over 10,000 trees to communities by 2022.

#### Impacts and Benefits

Trees provided  
to communities  
**1,080** trees



### Joint Management of Biodiversity with Suppliers

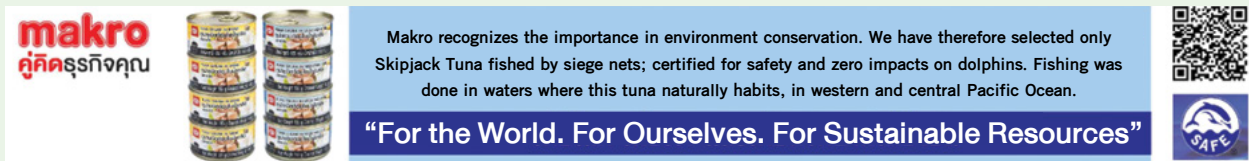
The Company visualizes the importance of jointly managing the ecosystem and biodiversity with suppliers. This measure is needed in order to ensure products and services along the value chain does not severely impact the ecosystem and therefore, has led to the inspection and evaluation of suppliers. The aim is to provide confidence that the products delivered are sourced from responsible sources and that the sourcing of raw materials does not severely impact the ecosystem and biodiversity.

**100%**  
of suppliers evaluated  
for biodiversity



### Canned Tuna Traceability Project

The production of canned tuna is one of the processes affecting marine ecosystems and biodiversity. The Company is aware of the importance of acquiring such products from these sources and therefore, has established the canned tuna traceability project. The function of this project grants consumers the confidence that the tuna, which originated from the sea before being canned, has been caught in circumstances which minimally impacts natural marine resources. In 2020, the independent environmental campaigning organization or Greenpeace published the Sustainability Ranking Report for Southeast Asian Canned Tuna Volume 4. This report evaluates policy progress in terms of the environment and labor in 7 aspects. In this report, Siam Makro Public Company Limited is ranked as the No. 2 sustainable canned tuna producer in Thailand and No. 1 in the retail segment. Makro’s latest ranking score increased 14% from the previous evaluation. The result has enabled the Company to foresee opportunities for further development and has proceeded in working towards increasing sourcing capacity for tuna supplies sustainably.



### Product Quality Standards for Sustainable Fisheries and Responsible Aquaculture Project

Makro is committed to providing the finest seafood products from quality sources that fulfill official standards. Products under the Ocean Gems brand from Indoguna lordly, a company within the Makro group, was accredited with the Marine Stewardship Council (MSC) standard and Aquaculture Stewardship Council (ASC), which are widely accepted standards among world experts in terms of certification for sustainable fisheries and responsible aquaculture. Some examples of certified products are cooked white venngam shrimp, hard shell mussels and haddock fillets. In 2021, Indoguna lordly aims to expand its accreditation globally.



### Forest Restoration

The Company realizes the importance of forest restoration to conserve natural resources and the environment, which has deteriorated, in addition to meeting the goal of being net zero carbon dioxide emissions by 2030. Furthermore, the Company aims to fulfill the goal to jointly protect and restore the ecosystem and biodiversity. Thus, various activities have been organized with the intention of ingraining a positive attitude towards planting trees and to foster engagement with stakeholders. The Company has commissioned a working group tasked with planting perennial trees to create sustainable communities. CP ALL Plc. monitors and drives the tree planting performance through the establishment of a framework consisting of 4 stages.



Currently, the Company has collectively planted over 15,700 trees in every Company operating area capable of planting as shown in the figure.

Operating Area		Area (rai)	Number of Trees (trees)
 Areas within Distribution Centers Nationwide		627	1,695
 Areas within Tara Park, Nonthaburi Province		54	237
 Areas within 7-Eleven Tara Pattaya, Chonburi Province		4	19
 Areas within Panyapiwat Institute of Management (PIM EEC), Tara Khao Chi Chan		113	6,007
 Areas within Siam Makro Public Company Limited Distribution Centers and Office Buildings Nationwide		N/A	5,748
 Areas within CPRAM Company Limited at Khao Mod Ngam, Nong Yai District, Chonburi Province		10	2,000

### With Our Hands Reforestation Project at Tara Khao Chi Chan

In order to increase green areas in Thailand, over 600 Company executives and employees have joined the reforestation effort at Tara Khao Chi Chan to develop and improve the local landscape. The 113 rai of new green area, embedded with various plant species, provides a shady and cool climate in addition to creating awareness for the continued conservation of natural resources.



### Mangrove Planting Project 1<sup>st</sup> Year

The mangrove plays an important role in coastal ecosystems by providing an area for breeding, rearing, and essentially a habitat for marine life. For this reason, the Suvarnabhumi distribution center foresees the importance of mangrove forest area conservation and rehabilitation and has established the activity, ‘Planting Mangrove Forests 1<sup>st</sup> Year’ in the Chonburi Province area with collaboration of employees, suppliers and communities.

#### Impacts and Benefits

Planted

**200** mangrove saplings



which covers an area of

**1** rai

### WE GROW for ALL We Plant for Everyone Project

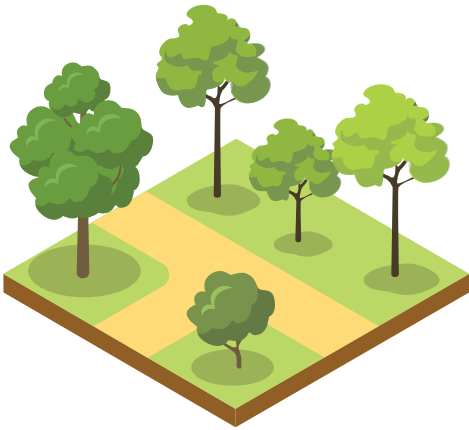
This project is one of multiple projects the Company has established to create and stimulate awareness of nature conservation. This initiative is driven by the working group on planting trees for sustainable communities and supports the success in reaching the net zero carbon dioxide emissions target. The activity, “Showing off our trees”, is the first in this project which campaigns for employees to plant perennial trees. The project has been designed to be appropriate for the digital era by the utilization of the We Grow app. used to support the recording of tree planting and calculate the reduction in carbon dioxide gas emission.



ดาวน์โหลดได้แล้ววันนี้



**Impacts and Benefits**  
 “displaying our trees”  
 amounting to  
**4,000 trees**



### “CPRAM Forest Best for Life Project 1<sup>st</sup> Year Plant for Life Betterment” Project

CPRAM Company Limited in collaboration with the Department of Forestry, Lat Krabang Industrial Estate, and communities within the the Lat Krabang district of Bangkok, have contributed to the “CPRAM Forest Best for Life Project Year 1 Plant for Life Betterment” Project to reforest declining forest areas across an area of 10 rai at Khao Mod Ngam area in Nong Yai District, Chonburi Province, Eastern Thailand. This forest area which holds a water source and a habitat for wild animals is to be revived to it’s former unspoiled state in the best way possible to continuously sustain and conserve biodiversity.

