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MEMORANDUM

TO : **The Assistant Secretary**
Policy, Planning, and Foreign-Assisted and Special Projects
Concurrent Director, Forest Management Bureau

The Regional Executive Director
DENR Region IV-B

The Director
Biodiversity Management Bureau

The Director
Environmental Management Bureau

The Regional Director
Environmental Management Bureau Region IV-B

The Director
Mines and Geosciences Bureau

The Director
Land Management Bureau

The Administrator
National Mapping and Resource Information Authority

The Director
Ecosystems Research and Development Bureau (ERDB)

FROM : **The Undersecretary**
Finance, Information Systems, and Climate Change
DENR Permanent Representative to the National Task Force for the West
Philippine Sea (NTF-WPS)

SUBJECT : **SUBMISSION OF IMPLEMENTATION PLANS IN SUPPORT OF
THE KALAYAAN ISLAND GROUP (KIG) STRATEGIC
DEVELOPMENT PLAN**

DATE : 28 February 2022

This refers to one of the action items during the 197th National Task Force for the West Philippine Sea (NTF-WPS) last 22 February 2022, which instructs concerned agencies to submit to the NTF-WPS Secretariat their respective implementation in support to the Kalayaan Island Group (KIG) Strategic Development Plan.

We will appreciate to receive your respective plans on or before 8 March 2021 to the Office of the Undersigned, for collation and DENR's eventual submission to the NTF-WPS secretariat at secretariat@nsc.gov.ph.

Attached is a copy of the KIG Strategic Development Plan for your reference and perusal.

For your appropriate action.


ATTY. ANALIZA REBUELTA-TEH

CC: The Executive Director
Palawan Council for Sustainable Development (PCSD)

SECRET

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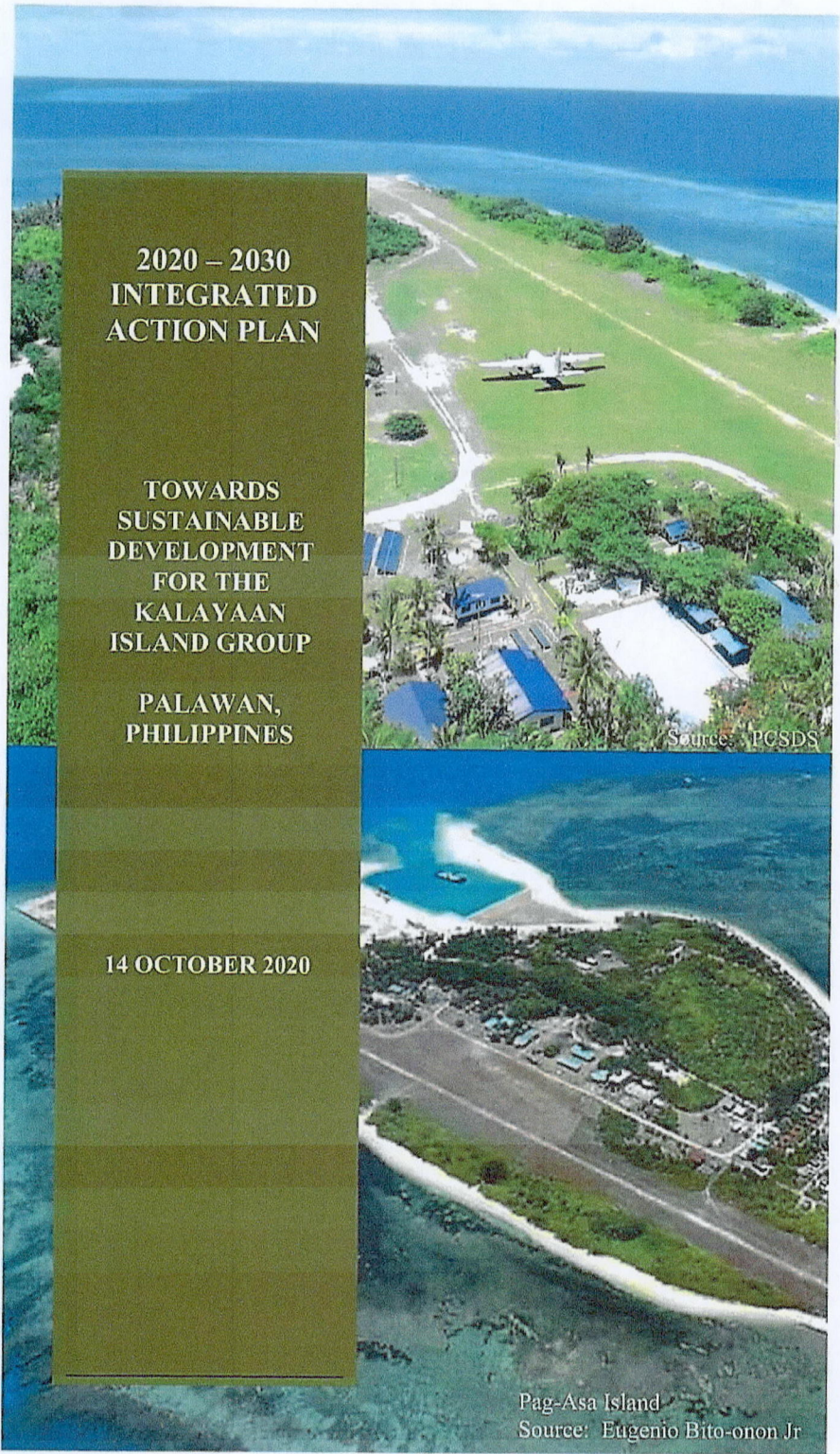


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1.0 BACKGROUND

Palawan is one of the provinces of the MIMAROPA region which lies between the South China Sea in the northwest and Sulu Sea in the southeast. The Kalayaan Island Group (KIG) is part of the municipality of Kalayaan of the Province of Palawan. Its main island, Pag-asa, lies approximately 280 nautical miles northwest of Puerto Princesa and 932 kilometers (579nm) south-west of Metro Manila. The municipality has 9 key features namely: Pag-asa Island (~36.0 ha), , Likas (~18.6 ha), Parola Island (~12.7 ha), Lawak (~7.93 ha), Kota (~6.45 ha), Patag Island (~0.57 ha), and Panata Island (~ 0.44 ha), and submerged reefs composed of Ayungin Shoal and Rizal Reef shown in **Figure 1**.

The Philippines does not lay claim to the entire South China Sea (SCS) but rather to the smaller area of South China Sea referred to by the Philippine Government as the West Philippine Sea (WPS). The area is off to the country's western seaboard where the Kalayaan Island Group (KIG) is situated. The WPS is well within the Philippines' Exclusive Economic Zone (EEZ) and continental shelf.

The WPS, including those features in the KIG, is home to 20% of the country's fisheries catch. The island's rich coral formations serve as spawning grounds that replenish depleted stocks in waters adjacent to the country including that of the Sulu Sea in the **MIMAROPA Region**, and also serves as transit area for migratory species. Palawan remains the top producer of commercial fish products contributing 71.03% to the MIMAROPA region's total production (2020 MIMAROPA Regional Development Report). The development of the commercial fishing industry in the West Philippine Sea will be supported by these productive waters to sustainably manage the exploitation of these living marine resources. Currently, these marine resources are under threat from poaching and deliberate use of illegal, destructive and unsustainable fishing practices by fishers of other claimant countries. Local fishermen visiting certain parts of the WPS are also being harassed and chased away by armed troops and paramilitary ships by foreign poachers. Moreover, the area is also believed to contain major oil and gas reserves and is an important international shipping trade route. It also lies along major Philippine trading channels the control of these waters by an unfriendly state could cripple the country's improving economy. With the area's vast economic potentials, there is the need to sustainably manage this important area thru concerted efforts by government instrumentalities for Filipinos of all generations.

Considering that the country is an archipelagic maritime state, the KIG in the WPS is a matter of serious national importance in terms of its strategic location, national security, economic potential, and rich natural resources. With the foregoing premises, an *Ad Hoc* Interagency Task Force-- KIG-TWC was created to safeguard the development and conservation of the area with the end goal of developing a resilient, vibrant, and sustainable communities within the KIG to affirm our rights and secure our precious natural resources.

The Strategic Development Plan for the Kalayaan Group of Islands (SDP-KIG) and its accompanying Action Plan is a result of an intensive multi-agency workshops and consultation meetings of the Inter-Agency Task Force – Kalayaan Island Group Technical Working Committee (IATF-KIG_TWC) (see **Annex A** for the list of Member Agencies) and its Technical Working Group (TWG) (see **Annex B** for the list of Member Agencies). The SDP-KIG which serves as the seminal document in pursuit of succeeding related discussions came into fruition during the Strategic Planning Workshop: *Towards Sustainable Development of the Kalayaan Island Group* Rizal Hall, Western Command, San Miguel, Puerto Princesa City, Palawan on 25-26 August 2020.

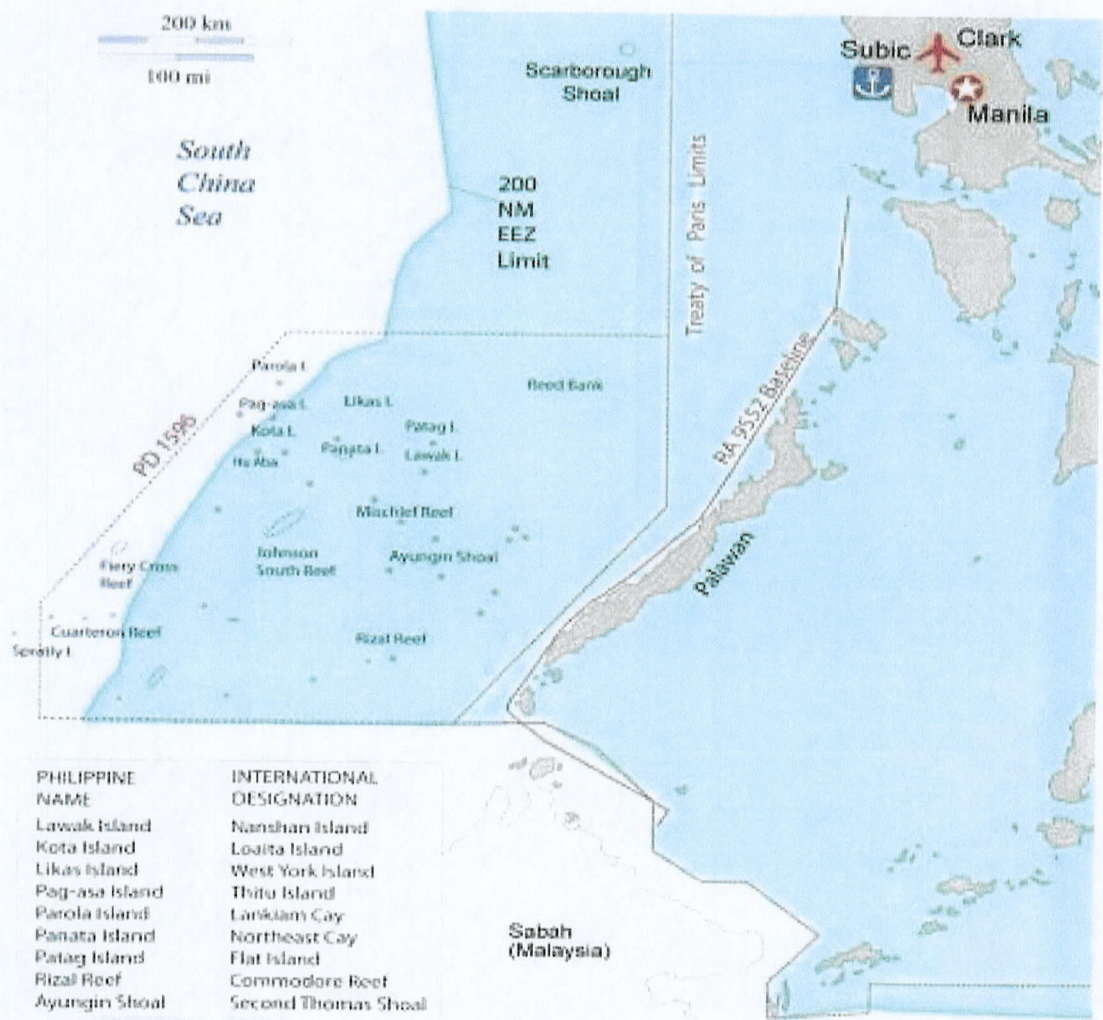


Figure 1. The Kalayaan Island Group (KIG), West Philippine Sea (WPS)
Source: <https://media.philstar.com/images/the-philippine-star/headlines/20141112/Philippines-Kalayaan-Island-Group-Map-CNA.JPG>

2.0 RATIONALE

The creation of a composite Inter-Agency Task Force – Kalayaan Island Group Technical Working Committee (IATF-KIG TWC) is an initiative of the Palawan Council for Sustainable Development Staff (PCSDS). PCSDS, a national agency with provincial application in the government of Palawan was created into law by virtue of RA7611 and sits as a member of the IATF-KIG of the of National Task Force West (NTF) chaired by the National Security Adviser of the President of the Republic of the Philippines. The IATF-KIG, was tasked to develop a plan for the sustainable development of the nine Philippine occupied features in KIG utilizing the ₱10,000,000.00 fund per feature committed by the Provincial Government of Palawan or a total of ₱90,000,000.00 allocated budget for the KIG development.

Hence, the IATF-KIG-TWC formulated the SDP-KIG comprising the priority activities anchored on a strategic vision, mission, and development objectives to which the allocated budget can be directed. The SDP-KIG contained strategies that will help the fortification of the Philippine sovereign rights over the KIG features and strengthen our claim in the area by enhancing the resilience of communities and their physical environment in the Kalayaan Island Group against threats of adverse weather conditions and climate change as well as creating a vibrant economy in the municipality. The SDP-KIG and its implementation details, shall serve as guide towards our common agenda to develop the KIG and legally claim what is rightfully ours as a nation.

The SDP Action Plan has 4 key components: (1) Develop the KIG to optimize its contribution to Palawan, MIMAROPA Region and national economy; (2) Integrate the KIG into the national consciousness and economy; (3) Secure our national patrimony; and (4) Whole of nation approach in its implementation. The SDP highlights the islands' development advantages and identify possible areas of collaborations among the private and government sectors in the region geared towards the **Ambisyon Natin 2040** or the Filipino's collective aspirations for a *"matatag, maginhawa, at panatag na buhay para sa lahat"*.

3.0 METHODOLOGY

The development of SDP-KIG started through a two-day Strategic Planning Workshop organized by PCSDS and the Municipal Government of Kalayaan. Ideas and inputs from various agencies were collected and consolidated into a single document passing through the following processes:

3.1 Goal-Based Strategic Planning

Considering that SDP development participants are representatives from different local and national government agencies bring their own mandates and functions, it was necessary for the group to formulate a unified goal. Thus, the Goal-Based Strategic Planning (GBSP) method was utilized for long-term strategic planning. GBSP works on the development of a common vision, created of action plans for each goal, that are ensured to be SMART (specific, measurable, attainable, realistic, and time-bound). Refer to **Section 4.1** for the developed Vision and Mission statements, and to **Section 5.0** for the Action Plans.

3.2 Strengths, Weaknesses, Opportunities, and Threats (SWOT) Analysis

The SWOT method is an assessment tool use for an area or an organization's current position/situation before coming up with strategies and actions. This tool helps in identifying which areas/fields/sectors can be improved. By enumerating, reviewing and understanding the internal factors (strengths and weaknesses) and external factors (opportunities and threats) of an area or a group, issues and concerns can be clearly identified, and appropriate strategies and solutions can be formulated. In this case, the SWOT was used to analyze not only the present situation of the KIG, but also the situation and characteristics of the participating agencies as an inter-agency group. Refer to **Section 4.2** for the results of the SWOT Analysis.

3.3 Objectives and Key Results (OKRs) Framework

Another tool used during the preparation of the SDP is the OKRs Framework, which includes defining the objectives ("what you want to achieve") and key results or indicators ("how you'll measure progress towards your achievements"). Refer to **Section 4.3** for the matrices developed using the said tool.

4.0 THE STRATEGIC DEVELOPMENT PLAN (SDP) FOR THE KALAYAAN ISLAND GROUP (KIG), 2020-2030

4.1 Vision and Mission Statement

VISION 2030:

A resilient, vibrant, and sustainable community in KIG, enjoying inclusive economic growth while conserving its patrimony and upholding Philippine sovereignty.

MISSION:

To synchronize plans, programs, and policies and recommend appropriate action to the IATF-KIG on matters related to sustainable development, security, and safety in the KIG in support of Vision 2030.

4.2 Strengths, Weakness, Opportunities, and Threat (SWOT) Analysis

As discussed in **Section 3.2**, the SWOT tool helps in identifying what the internal and external factors for the Kalayaan Islands Group (KIG) and for the inter-agency group. The SWOT analysis was done during the plenary session of the two-day workshop, which was facilitated by PCSDS.

As shown in the table below, most of the strengths identified by the agencies were related to their relationship as a group of various local and national agencies, such lateral coordination, diversity, and clearly defined mandates. Meanwhile, most weaknesses tackle on the lack of resources (e.g., food, freshwater, military force, funding, facilities, infrastructure, transportation) on the KIG and lack of political will (e.g., commitments, confidence, policies) from the local/national government in general.

For the external factors, opportunities identified by the agencies are support/guidance from the national and local governments, from other partners, and even from allied countries. Other opportunities are the availabilities of external funding, knowledge and innovation, and technologies. On the other hand, the primary threats identified were (a) China not recognizing international rules and norms; (b) China's grey zone strategy; and (c) claims of various countries in the West Philippine Sea (WPS). These are coupled with the lack of the following: funding; security coordination; technological capability to deter threats; and knowledge and awareness on the importance of KIG.

Table 1. SWOT Analysis

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
Internal		External	
1. Clear mandates 2. Mutual defense treaty (MDS) with the US 3. Efficient lateral coordination among	1. Limited freshwater source 2. Relatively weak military compared to other neighboring countries	1. Support and guidance from NGAs/LGUs in terms of plans/ international decisions	1. China's grey zone strategy 2. Various claimant countries in the WPS

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
Internal		External	
concerned agencies 4. The willingness of the different agencies 5. Benefit of sharing specialization 6. Participative management 7. Cooperation of all concerned agencies 8. Aggressive members of the TWC 9. Diversity of concerned agencies	3. Confidence of the members of the TWG 4. Commitment of government agencies and members 5. Geographical landscape (proximity with the national government) 6. Lack of funding 7. Lack of policies, laws to support programs 8. Personal differences/perspectives 9. Limited Medical facility in KIG 10. Damaged maritime environment in KIG 11. Lack of infrastructure development on KIG-held islands except for PAG-ASA 12. Limited use of Pag-Asa airstrip 13. Lack of ports 14. Difficulty of supplying POL to KIG 15. Isolated outpost in the KIG 16. Weak organizational structure (for some organization e.g. BFAR) 17. No permanent stationed man floating asset 18. Top to bottom planning approach (projects are being	2. Freedom of Navigation Operations (FONOPS) by US and allied countries 3. Availability of partners who can be tapped to design resilient housing and infra 4. Support from allied countries 5. Socio-economic incentives from NGAs/ LGUs 6. Afforestation and beach erosion mitigating measures 7. Availability of knowledge and innovation to address the impact of climate change and other environmental concerns in the KIG 8. Support of the current organization 9. Availability of external funding 10. Availability of technology to support food requirement (i.e. hydroponics)	3. Political inclination 4. Lack of funding (political) 5. Change in the political landscape 6. Geographical challenges (environmental) 7. Lack of security coordination (legal) 8. Lack of capability to deter threats (Technological) 9. Illegal activities 10. Vulnerability of the island to strong waves and beach/soil erosion 11. Climate change 12. Permanency of residents 13. International territorial dispute 14. Unfavorable current stand position of the leadership as regard to our claim in the WPS 15. No recognition of China of international rules and norms 16. Security threat on document sharing, navigation and development, and cybersecurity

STRENGTHS	WEAKNESSES	OPPORTUNITIES	THREATS
Internal		External	
	discussed by top management) 19. Lack of clarity on the institutional definition of functions of the TWC 20. Lack of clarity of goal 21. Lack of regular public transportation to and from KIG 22. Limited food produce		17. Lack of knowledge and awareness of the importance of KIG

4.3 Strategic Development Plan (SDP): Goals/ Objectives and Priority Action Setting

4.3.1 Socio-economic Sector

This sector aims to attain a progressive local economy for the municipality in order to maintain a viable population in the municipality and sustain their basic and financial needs through:

- Establishment of regular travel schedules for passengers and cargoes
- Development of biodiversity friendly and sustainable enterprise
- Enhancement of fishing industry
- Establishment of Tourism Development Areas (TDAs)
- Improvement of health and sanitation service
- Provision of basic social utilities

Table 1. Socioeconomic Sector Goals/Objectives and Priority Action

SECTOR	SOCIOECONOMIC	
GOAL	To establish an inclusive and progressive local economy by 2030	
OBJECTIVE	INDICATOR	ACTION
1. To establish and enhance regular sea transport of passengers and cargoes	Frequency of trip at least twice a month by 2025	1.1 Tap concerned government agencies, i.e. Maritime Industry Authority for the Maritime sector 1.2 Forge Public-Private Partnership with guidance from MARINA

OBJECTIVE	INDICATOR	ACTION
		<p>1.3 Establish appropriate transportation, to and from KIG, in terms of weather condition</p> <p>1.4 Use of Magnetic Repeat Station to aid in maritime navigation</p>
2. To develop Biodiversity Friendly and Sustainable Enterprise	10 Identified livelihood programs developed and operating by 2022	<p>2.1 Establish the BDFEs initially listed as follows:</p> <ul style="list-style-type: none"> • Aquaponics, Vertical Farming • Seaweeds farming including drying facility in partnership with BFAR • Sea cucumber farming • Poultry and livestock production • Salt making • Low salt dried fish making • Dwarf coconut planting • Develop sustainable fishery activities (i.e. Fish Aggregating Device/"payaw" fishery) • Processed food by salting, curing, and smoking • Livelihood assistance from DSWD
3. To enhance the fishing industry	<p>1 fishing fleet established by 2025</p> <p>1 unit of fish processing plant established by 2022</p>	3.1 Forge Public-Private-Partnerships (commercial fishers association)
4. To establish tourism development areas (TDAs)	3 TDAs developed by 2025	<p>4.1 Strengthen partnerships with DOT and TIEZA</p> <p>4.2 Intensify marketing and promotion</p>
5. To provide improved health and sanitation service	<p>Secure continuing portable drinking water supply</p> <p>Sewerage system instituted</p> <p>Provision of RA 9003 complied</p>	<p>5.1 Portable Drinking Water</p> <p>5.2 Sewerage system in-placed</p> <p>5.3 Organize waterworks management team</p> <p>5.4 Solid Waste Management in-placed</p>

OBJECTIVE	INDICATOR	ACTION
6. To provide basic social utilities service	Basic social services accessible	6.1 Power provided on a 24 hours basis 6.2.1 Provide Education up to Senior High School to residents 6.2.2 Make Technical-Vocational Courses Accessible for residents 6.2.3 Hire teaching staffs 6.3 Provide operational communication facilities 6.4 Provide transportation facilities
7. To maintain a viable population of residents in the island		7.1 Conduct psycho-social research to potential settlers 7.2 Conduct Carrying Capacity studies on the capacity of KIG features to support human population 7.3 Hiring of doctors, nurses, midwives, and other health practitioners

4.3.2 Bio-physical Environment Sector

The primary objective of the sector is to attain a balanced and healthy environment in the KIG. To this end, the following specific objectives must be accomplished:

1. **To develop a physical zoning plan and its adoption by KIG MLGU of Kalayaan and PCSD),** in order to ensure that development projects will be placed in their proper zones. This includes the updating of the Environmentally Critical Areas Network (ECAN) Map of Kalayaan for both terrestrial and coastal/marine areas, as well as the integration of said map into the Comprehensive Land and Water Use Plan (CLWUP) of the municipality.
2. **To strictly implement fishery and environmental laws, policies, rules, and regulations.** This objective will focus on the establishment and strengthening of the environmental law enforcement network in the KIG, including the creation of the Kalayaan Bantay Dagat Task Force, strengthening of partnership and capabilities among law enforcement agencies. Another focus of this is also the periodic assessment and monitoring of the environment of KIG.
3. **To implement coastal adaptation activities / technologies in order to stabilize the islands’ coastlines against extreme weather conditions and climate change impacts (scouring, soil erosion, sea-level rise).** Stabilization of the area shall be

- attained by assessment of sites suitable for forest enhancement, and the consequential implementation of a mangrove/beach forest afforestation plan.
- 4. **To conduct relevant scientific studies for the protection and sustainable utilization and development of the natural resources**, specifically on the following: (a) carrying capacity; (b) renewable energy; (c) hydrology; (d) fisheries sustainability; (e) climate change impacts; (f) solid and liquid waste management; and (g) connectivity researches. Thus, academic institutions and scientific experts shall be tapped.
 - 5. **To strictly implement of the DENR TB 2017-02 in the Lawak Critical Bird Habitat by 2023**
 - 6. **To Strengthen Seascape Governance in the Kalayaan Island Group (KIG)**

Table 3. Bio-physical Environment Sector Goals/Objectives and Priority Action

SECTOR	BIO-PHYSICAL ENVIRONMENT	
GOAL	To have a balanced and healthy environment	
OBJECTIVE	INDICATOR	ACTION
1. To develop a physical zoning plan and its adoption by KIG MLGU of Kalayaan and PCSD	1 PCSD Resolution of adoption of the ECAN Zones Map for the KIG 1 MLGU KIG Resolution of adoption of the ECAN Zones Map for the KIG 1 CLUP for the KIG	1.1 ECAN Zones Mapping for the KIG features, for both Terrestrial and Coastal and Marine Zones 1.2 CLUP Planning based on adopted ECAN Zones Map for the KIG 1.3 Harmonize NIPAS and local MPAs 1.4 Declare important habitats in the KIG as critical habitats 1.5 Use of NAMRIA AGS (Active geodetic Station)
2. To strictly implement fishery and environmental laws, policies, rules, and regulations	Ratio of seizures of violations over enforcement operations decreased by 2025 Adherence to relevant environmental laws such as but not limited to: <ul style="list-style-type: none">• RA 7611• RA 9275• RA 8749• RA 6969• RA 9003• DAO 2004-02• DAO 2006-10• DAO 2001-34	2.1 Establish LGU Kalayaan Bantay-Dagat Task Force 2.2 Intensify partnership of law enforcement agencies 2.3 Supplement/improve the equipment of law enforcement agencies 2.4 Periodic environmental assessment and monitoring of the KIG 2.5 Water Body Classification relation to DENR's water quality guidelines and maintain the minimum condition necessary to assure the sustainability of the

OBJECTIVE	INDICATOR	ACTION
		<p>water for its designated use or classification.</p> <p>2.6 Secure related permits and clearances for environmental projects such as but not limited to:</p> <ul style="list-style-type: none"> • Reclamation projects • Infrastructure Support • Researches and studies
<p>3. To implement coastal adaptation activities / technologies in order to stabilize the islands' coastlines against extreme weather conditions and climate change impacts (scouring, soil erosion, sea-level rise)</p>	<p>At least 10 hectares of mangroves cover per features planted and established by 2022</p> <p>At least 5 hectares of beach forest per feature enhanced by 2022</p>	<p>3.1 Site suitability assessment to identify suitable sites for Mangrove afforestation</p> <p>3.2 Formulate and implement mangrove/beach forest afforestation plan</p> <p>3.3 Timber stand improvement of existing beach forest</p> <p>3.4 Tidal monitoring and prediction of sea level rise</p>
<p>4. To conduct relevant scientific studies for the protection and sustainable utilization and development of the natural resources</p>	<p>7 types of research conducted by 2025</p>	<p>4.0 Researches on the following areas conducted :</p> <ul style="list-style-type: none"> • Carrying Capacity Studies • Renewable energy (waves and wind) • Hydrology • Fisheries sustainability • Climate change impacts • Solid and liquid waste management • Connectivity researches • Assessment of Lawak Island as potential Bird Sanctuary/Critical Habitat
<p>5. To strictly implement of the DENR TB 2017-02 in the Lawak Critical Bird Habitat by 2023</p>	<p>Adopt the DENR TB 2017-02, "Birding Guidelines in the Philippines"</p>	<p>5.1 Formulation of a SBMT (Site-Based Monitoring Team) created with a Resolution and Fund Appropriation</p> <p>5.2 Create a database of the bird monitoring</p> <p>5.3 Adoption of the DENR TB 2017-02, "Birding Guidelines in the Philippines"</p>
<p>6. To Strengthen Seascape Governance</p>	<p>Operationalization of research activities in the KIG</p>	<p>6.1 Maintenance, operation and upgrading of the Research Vessel BRP Palawan Coast</p>

OBJECTIVE	INDICATOR	ACTION
in the Kalayaan Island Group (KIG)		6.2 Establishment of Research Facility and conduct of Environmental monitoring

4.3.3 Infrastructure Sector

This sectoral plan focuses on the construction and/or improvement of infrastructure support facilities and strengthening of the capacities of the personnel to better serve the populace of the municipality.

Among the key activities of this sector, include:

- Improvement of infrastructure-support facilities for easy access to and from the KIG which include construction of sheltered ports, acquisition of steel vessel, improvement of Rancudo airstrip, and installation of roads and walkways
- Construction of infrastructure-support facilities for sustainable alternative livelihood/employment
- Enhancement of access to Information and Communications Technology through construction of telecommunication facilities
- Construction of social and recreational facilities such as schools, hospital and clinics, waterworks and sewerage system, power plant and distribution facility, evacuation centers, sports facilities, among others

It is important to note that these infrastructure support facilities are necessary to encourage residents to stay in the KIG. Currently, only elementary school is available in the area, thus, parents are obliged to leave the municipality once their children need to study for higher-level education. Further, limited resources such as potable drinking water and limited available livelihood coupled with difficulty in internet connection contributed to the unwillingness of people to stay in the island.

Table 4. Infrastructure and Institutional Sector Goals/Objectives and Priority Action

SECTOR	INFRASTRUCTURE	
GOAL	By 2030, the KIG have established reliable infrastructure facilities that will provide credible security and enhance the quality of life of every individual in the community	
OBJECTIVE	INDICATOR	ACTION
1. To provide transport and improved infra-support facilities for easy access to and from the KIG	Increased number of individuals travelling to and from KIG by 50% by 2030 1 Reliable steel vessel acquired by 2030 Improvement of Rancundo Airstrip complete by 2030	1.1 Construct Sheltered port/beaching ramp for every feature 1.2 Construction of a fishermen shelter and maritime research station in Ayungin 1.3 Acquire Steel Vessel

OBJECTIVE	INDICATOR	ACTION
	Installation of roads and walkways in Pag-asa 100% completed by 2025	1.4 Improve Rancundo Airstrip in Pag-Asa
	Installation of navigational buoys	1.5 Install roads and walkways in Pag-asa
	9 lighthouses established in all features by 2030	1.6 Install Air Navigational Aids
		1.7 Install Navigational lighted buoys
		1.8 Construct/rehabilitate lighthouses
		1.9 Establish one (1) Active Geodetic Station (AGS) to aid land zoning and mapping
		1.10 install adequate port facilities for berthing in all features
	One (1) Magnetic Repeat Station Established	1.11 Establish one (1) Magnetic Repeat Station
2. To provide infrastructure support on the sustainable alternative livelihood or employment	Construction of ice plant with cold storage facility 100% completed by 2021	2.1 Construction of cold storage facility
	1 Fish processing facility rehabilitated by 2021	2.2 Rehabilitate fish processing facility
	Initiate reclamation of 5 hectares at Northeast portion of Pag-Asa Island-observing the provisions of PD1586	2.3 Reclaim 5 hectares to increase additional land area for development
3. To have a progressive and well-developed ecotourism program	100% increase of tourist by 2030	3.1 Adopt the Tourism Development Master Plan requiring infra support
4. To significantly enhance the access to ICT for governance and communication	2 Telecommunication facilities constructed by 2030	4.1 Construct telecommunications infrastructure (towers, TV, Wi-Fi, radio)
5. To provide social and recreational facilities for the residents and	100% sports facilities constructed by 2030	5.1 Construct and maintain of sports facilities (basketball, volleyball court, gym) and provision of equipment

OBJECTIVE	INDICATOR	ACTION
security personnel at KIG	100% waterworks and sewerage system facilities constructed by 2023	5.2 Construction of Pag-Asa waterworks and sewerage system
	Junior and Senior High School program 100% established by 2025	5.11 Construction of Multi-Purpose Building in Pag-asa, Likas, Parola, Lawak, Kota, Patag, and Panata
	100% educational facilities constructed by 2030	
	100% of residents provided with housing by 2025	
	2 hectares of open space per 150 population provided by 2022	
	NAPOCOR power plant 100% operational by 2021	
	Distribution facility 100% established by 2021	
6. To ensure the safety of infrastructures at KIG and the people living therewith	5 Technical personnel trained per 150 population by 2030	6.1 Organize, train, and equip civilian personnel to operate and maintain buildings, equipment, and other facilities
	Infrastructure facilities properly maintained annually	6.2 Allocate funds for the procurement, maintenance, and sustain equipment, buildings, and facilities
		6.3 Put-up supply storage facility
	1 functional hospital and 1 clinic by 2030	6.4 Construct hospital buildings and clinics
	One habitable and resilient evacuation center/facility established by 2021	6.5 Construct a well-designed evacuation facility that could withstand natural calamities or disasters
		6.6 Establish Coast Guard station in Pag-asa
	1 Weather monitoring station improved and operationalized by 2021	6.7 Improve and operationalized PAG-ASA Weather monitoring station

OBJECTIVE	INDICATOR	ACTION
	One (1) Permanent Tide Station established	6.8 Perimeter defense/breakwater and climate-resilient structures 6.9 Establish one (1) Permanent Tide Station for SLR prediction
7. To strictly adhere to pre-construction requirements relevant to infrastructure development	Adherence to relevant infrastructure development policies such as but not limited to: <ul style="list-style-type: none">National Building CodeBOT Laws (if applicable)SEP LawPD1586	7.1 Secure related permits and clearances for infrastructure projects

4.3.4 Governance, Safety and Security Sector

To serve as guide for the agencies and government offices to make decisions and achieve rational outcomes, certain policies must be developed and be implemented as a procedure or protocol. The main tasks of the Kalayaan Island Group (KIG) Technical Working Governance – Safety and Security Sector was to develop policies that will provide orderly and safety to civilians visiting the KIG features. The following are the policies to be developed:

1. Policy on Navigational Route/requirements in transporting civilians from main cities to KIG. This to ensure safety and security to those who will be visiting the islands. This is also for the safety of the travelling boats, per the situation in the WPS, thereby establishment of regular route is very important to avoid escalation of tension that may lead to harassment or blockage.
2. Policy on using electronic equipment of all civilians visiting KIG features. This is to ensure a Zero incident or disclosure of restricted facilities and developments at KIG. Conduct of briefing to all incoming island visitors prior to departure from their respective point of origin and upon arrival.

Other activities under this sector includes:

1. Strict implementation of relevant laws on environmental conservation and upholding Philippine sovereignty. Regular conduct of public information and dissemination and conduct of environmental law training to the enforcers to strengthen their capacity on law enforcement.
2. To strive in attaining 3rd class municipality status. The Municipality of Kalayaan is a 5th class municipality. To upgrade their classification from 5th class to 3rd class level since they cannot meet the requirements, a special justification will be submitted and lobbied to the legislators.
3. To educate and inculcate to every Filipino, particularly the youth, the relevance and crucial role of KIG to our food security, national economy, and sovereignty. Continuous

information and education campaign in partnership with CHED and DepEd schools and universities on KIG advocacies.

Table 2. Governance, Safety, and Security Sector Goals/Objectives and Priority Action

SECTOR	GOVERNANCE, SAFETY, AND SECURITY	
GOAL 1	To strengthen governance, safety, and security in the KIG	
OBJECTIVE	INDICATOR	ACTION
1. To develop relevant policies and guidelines on navigation, communications, requirements, and municipal classification	Numbers of policy on navigational route to and from KIG established by 2030.	1.1 Organization of a team of which membership is duly designated by member's mother agency as requested by the PCSD. 1.2 Prepare a position paper and lobby with legislators 1.3 Policy development
2. To have a strong and resilient governance structure	Fully functional and capacitated governance system	1.2 To re-activate the ECAN Board
GOAL 2	To come up with a policy on the specific functions of every agency aboard in a certain island	
OBJECTIVE	INDICATOR	ACTION
1. To have a clear policy on using electronic equipment of all civilians visiting KIG features	Zero incident or disclosure of restricted facilities and developments at KIG ensured by 2030.	1.1 Creation of the study team 1.2 Identification of agencies concerned 1.3 Coordinate with network providers
2. Municipal/National laws and ordinances for the conservation of environment and sovereignty enacted within 5 years.	Decreasing number of violations with the same effort of enforcement	2.1 Regular conduct of public information and dissemination 2.2 Regular singing of the National Anthem and Pledge of Loyalty (<i>Panatang Makabayan</i>) in all features 2.3 Conduct environmental laws trainings to enforcers
3. Municipal laws/ordinances on illegal poachers/entrants within the 15-km municipal waters	Come up with a list of environmental requirements to	3.1 Conduct of public consultation 3.2 Lobby with legislators

OBJECTIVE	INDICATOR	ACTION
enacted by the LGU within 5 years		
4. To strive in attaining 3rd class municipality status	KIG class elevated from 5 th class to 3 rd class	4.1 Conduct public consultation to gain strong public support 4.2 Lobby with the legislators and other relevant government sectors in giving KIG preferential funding and privilege allocation considering its strategic importance to the Philippines and the country's Claim in the KIG
5. To have a strong and resilient governance structure	Fully functional and capacitated governance system	5.1 Institute Municipal Disaster Risk and Reduction System 5.2 Move for the reclassification of KIG features to Alienable and Disposable Lands for disposition
6. To create MENRO, MAO, MDRMO permanent positions at the MLGU Kalayaan	1 MENRO permanent positions created by 2022 1 MAO permanent positions created by 2022 1 MDRMO permanent positions created by 2022	6.1 Create permanent MENRO, MAO, MDRMO positions
GOAL 3	To strengthen the Communication, Advocacy and Public Education Program for individuals in KIG	
OBJECTIVE	INDICATOR	ACTION
	Number of nationwide advocacy activities on KIG conducted by 2030.	1.1 To tie-up with CHED and DepEd schools and universities participation in KIG advocacy
GOAL 4	To ensure safe and livable communities	
OBJECTIVE	INDICATOR	ACTION
1. To strengthen the security and safety of the local communities and visitors in the KIG against threats to human life and properties	1 Bureau of Fire Prevention (BFD) established by 2025 1 detachment of PNP personnel reinforced with OIC by 2025	1.1 Construction of BFP building 1.2 Reinforcement of PNP detachment 1.3 Installation law enforcement facilities 1.4 Adoption of Carrying Capacity Study

OBJECTIVE	INDICATOR	ACTION
2. To integrate and harmonize the national government's plan for KIG into the different local plans of the Province of Palawan and the MLGU of Kalayaan	1 Policy Instrument of on Carrying Capacity 1 MLGU Adoption by 2021 1 PLGU Adoption by 2021 1 NEDA RDC Adoption by 2021 1 NTF-West Adoption by 2022	2.1 Adoption of SDP by relevant bodies
3. To monitor and evaluate the implementation of different programs, projects and activities in KIG, and recommend appropriate policies and approached whenever necessary, to ensure effective delivery of services in the area	1 Theory of Change (TOC) prepared	3.1 Preparation of TOC Results Chain
4. To develop and recommend an integrated capability development program for the MLGU of Kalayaan	Capability needs assessment undertaken and address	4.1 Trainings and skills improvement of MLGU staff delivered based on the capability needs assessment result
5. To strictly implement of the DENR TB 2017-02 in the Lawak Critical Bird Habitat by 2023	1 policy instrument issued	5.1 Policy dialogue conducted on the declaration of Lawak Island as a Bird Sanctuary/Critical Habit
6. To pass a municipal ordinance on Environmental Protection and Management (to include solid waste disposal and wastewater treatment) that would guide future infrastructure development in the KIG	Municipal ordinance passed for the Environmental Code in KIG by 2030	6.1 Creation and passage of municipal ordinance Environmental Code with an emphasis on island stabilization and solid waste disposal and wastewater treatment.

**Annex A. Inter-Agency Task Force – Kalayaan Island Group Technical Working Committee
(IATF-KIG-TWC) Member Agencies**

- Provincial Government of Palawan (PGP)
- Municipal Local Government of Kalayaan (MLGU-Kalayaan)
- Bureau of Fisheries and Aquatic Resources-Department of Agriculture (BFAR-DA)
- Western Command (WESCOM)
- Tactical Operations Wing-West (TOW-WEST)
- Naval Forces West-Philippine Navy (NAVFORWEST-PN)
- Philippine Coast Guard (PCG)
- National Intelligence Coordinating Agency (NICA)
- Palawan Council for Sustainable Development Staff (PCSDS)

**Annex B. Inter-Agency Task Force – Kalayaan Island Group Technical Working
Committee-Technical Working Group (IATF-KIG-TWC-TWG) Member Agencies**

SOCIO-ECONOMIC CLUSTER WORKING GROUP

- Department of National Defense (DND)
 - Western Command (DND-WESCOM)
- Department of Transportation (DOTr)
 - 4th Coast Guard District Palawan (DOTr-PCG-Palawan)
 - Maritime Industry Authority (DOTr-MARINA)
- Department of Agriculture (DA)
 - Bureau of Fisheries and Aquatic Resources (DA-BFAR)
 - Bureau of Animal Industry (DA-BAI)
 - Philippine Coconut Authority (DA-PCA)
- Department of Tourism (DOT)
 - Tourism Infrastructure and Enterprise Zone Authority (DOT-TIEZA)
- Technical Education and Skills Development Authority (TESDA)
- Department of Environment and Natural Resources (DENR)
 - Provincial Environment and Natural Resources Office (DENR-PENRO)
- Department of Science and Technology (DOST)
- Department of Education (DepEd)
- Department of Social Welfare and Development (DSWD)
- Provincial Government of Palawan (PGP)
 - Office of the Provincial Agriculturist (PGP-OPA)
 - Provincial Tourism Office (PGP-PTO)
 - Provincial Veterinary Office (PGP-PVO)
- Palawan State University (PSU)
- Local Water Utilities Administration (LWUA)
- Municipal Local Government (MLGU) of Kalayaan
- Palawan Council for Sustainable Development Staff (PCSDS)

BIO-PHYSICAL ENVIRONMENT CLUSTER WORKING GROUP

- Department of National Defense (DND)
 - Western Command (DND-WESCOM)
 - Naval Forces West (DND-NFW)
- Department of Transportation (DOTr)
 - 4th Coast Guard District Palawan (DOTr-PCG-Palawan)
- Department of Interior and Local Government (DILG)
 - Philippine National Police Maritime Group (DILG-PNP-MG)
- Department of Agriculture (DA)
 - Bureau of Fisheries and Aquatic Resources (DA-BFAR)
- Department of Environment and Natural Resources (DENR)
 - Department of Environment and Natural Resources- Environmental Management Bureau – MIMAROPA
 - Department of Environment and Natural Resources- Lands Management Bureau
 - Department of Environment and Natural Resources- Ecosystems Research and Development Bureau
 - Department of Environment and Natural Resources- Biodiversity Management Bureau
 - Provincial Environment and Natural Resources Office (DENR-PENRO)
- Department of Energy (DOE)
- Western Philippines University (WPU)
- Provincial Government of Palawan (PGP)
 - Office of the Provincial Agriculturist (PGP-OPA)
 - Bantay Palawan (PGP-BP)
- Municipal Local Government of Kalayaan (MLG-Kalayaan)
- Palawan Council for Sustainable Development (PCSD)
 - Scientific Advisory Panel (PCSD-SAP)
 - Palawan Council for Sustainable Development Staff (PCSDS)

GOVERNANCE, SAFETY, AND SECURITY CLUSTER WORKING GROUP

- Department of National Defense (DND)
 - Western Command (DND-WESCOM)
 - Naval Forces West (DND-NFW)
 - Tactical Operations Wing-West (DND-TOW-West)
- Department of Transportation (DOTr)
 - 4th Coast Guard District Palawan (DOTr-PCG)
 - Maritime Industry Authority (DOTr-MARINA)
- Department of Interior and Local Government (DILG)
 - Philippine National Police-Maritime Group (DILG-PNP-MG)
- Department of Agriculture (DA)
 - Bureau of Fisheries and Aquatic Resources (DA-BFAR)
- Department of Justice (DOJ)
 - Bureau of Immigration (DOJ-BI)
- Department of Foreign Affairs (DFA)
- National Economic and Development Authority (NEDA)
 - Philippine Statistics Authority (NEDA-PSA)
- Department of Environment and Natural Resources (DENR)
 - Provincial Environment and Natural Resources Office (DENR-PENRO)
- Department of Education (DepEd)
- Department of the Interior and Local Government (DILG)
- National Intelligence Coordinating Agency (NICA)
- Provincial Government of Palawan (PGP)
 - Provincial Disaster Risk Reduction and Management Office (PGP-PDRMO)
 - Peace and Order Program (PGP-POP)
- Municipal Local Government Unit of Kalayaan (MLGU-Kalayaan)
- Palawan Council for Sustainable Development Staff (PCSDS)

INFRASTRUCTURE CLUSTER WORKING GROUP

- Department of National Defense (DND)
 - Western Command (DND-WESCOM)
 - Naval Forces West (DND NFW)
 - Tactical Operations Wing-West (DND-TOW-West)
- Department of Transportation (DOTr)
 - 4th Coast Guard District Palawan (DOTr-PCG-Palawan)
 - Maritime Industry Authority (DOTr-MARINA)
 - Philippine Ports Authority (DOTr-PPA)
 - Civil Aviation Authority of the Philippines (DOTr-CAAP)
- Department of Energy (DOE)
- Department of Information and Communication Technology (DICT)
- Department of Science and Technology (DOST)
 - Philippine Atmospheric, Geophysical and Astronomical Services (DOST-PAGASA)
- Department of Public Works and Highways (DPWH)
- National Power Corporation (NAPOCOR)
- Provincial Government of Palawan (PGP)
 - Provincial Engineering Office (PGP-PEO)
- Municipal Local Government Unit of Kalayaan (MLGU-Kalayaan)
- Palawan Council for Sustainable Development Staff (PCSDS)