WORKSHOP ON A SYSTEMATIC AND QUANTITATIVE DESIGN OF LOW CARBON DEVELOPMENT PLAN IN CAMBODIA

A DESIGNING OF LOW CARBON DEVELOPMENT PLAN IN CAMBODIA

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I. Objective

II. Proposed policies and strategies for LCS

III. Next step
I. Objective of Study

To formulate and propose a concrete low carbon development strategy in Cambodia towards 2050

To ensure green environment

To ensure the harmonization of green economy, society and culture

To integrate the blue economy

To promote a livable and pristine eco-village
II. Proposed 4 policies and 12 strategies for low carbon development in Cambodia

Policy 1: Green Environment

Sustainable forest management Strategy

- effective forest concession management through implementing effective law enforcement for illegal logging
- promote and implement REDD+
- increase carbon sequestration via forest restoration and replantation
- forest ecosystem conservation and management
**Sustainable waste management Strategy**

- **develop environmentally sound technology landfill sites** through developing e-waste management strategy/plan, waste collection and segregation,

- **minimization of wastes and by-products and maximum use of renewable resources via implementing 3Rs principle** and promote waste-to-energy technology

- **environmentally sound waste management through** allocating waste disposal or storage and properly control the importation of second hand goods

- **promotion of local level self-governance and leadership** to improve de-centralized coordination for waste management and segregation
Green agriculture management strategy

- **promotion** of climate smart agriculture
- **promotion** of the use of organic fertilizer
- **introduce and implement** system rice intensification (SRI)
- **introduce and implement** integrated farming system (IFS) is a more integrated approach (livestock and crop production) to farming
- **sustainable** land use and land management for agriculture purpose
Green transport management strategy

- **promote** public transport in major cities
- **mitigation** and low carbon development for transportation (green belt)
- **efficient and proven** transport technology with the introduction of low pollution vehicles
- **freight modal shift** for long-distance shipment
- **improve** public transport service in the rural areas
Green energy management strategy

- **encourage** the use of renewable energy via constructing hydro-powers plants for electricity generation to increase power generation, transmission, and distribution
- **encourage** the use of smart appliance and home automation system
- **encourage** institutions and households to save energy
Green tourism management strategy

✓ promotion and implementation of clean city, clean resort and good services
✓ promotion of tourist attraction - Cambodia-Kingdom of Wonder-
✓ promotion of group tour with comfortable transport means/services
✓ promotion of green flag competition and green award
✓ encourage tourists to recycle waste and to reduce emission
Green good governance and green human resource development strategy

- **integrating** green concept for primary education to higher one as well as vocational and training
- **introducing and improving** the green institutional management and arrangement
- **implementing** green management initiatives and intellectual capital and green job
- **introducing and encouraging** green concept into local communities
- **increasing** human resource development throughout the country considering youth and gender participation
Green technology and investment strategy

- **Promotion of** green industries and industrial ecological principles
- **implementing** green technology transfer such as cleaner production, sustainable product innovation, renewable energy development and generation
- **encouraging and incentivizing** the investment in effective environmental protection and natural resource management
- **promotion** of green business competition and green credit
Green financial mobilization strategy

- **green financial incentives** including green tax and subsidy
- **adoption of green budget** reform
- **implementing Payment for Environmental Services** to promote the internalization of environmental costs

- **conducting** fund mobilization from development partners for green implementation and development
- **development** of a sound market-based financial system to support resource mobilization, effective financial resource allocation
Policy 3: Blue Economy

Green merchant marine and sustainable coastal zone management strategy

- Introduction of emission standard in maritime transport through conducting inspection and maintenance system regulation
- Promoting integrated coastal zone management
- Developing and enforcing the ballast water management to manage and control marine invasive species management
Policy 4: Eco-Village

Low carbon infrastructure development strategy

✓ implementation of decentralized management system for a sustainable urban environment and better mobility

✓ construction and rehabilitation of rural roads to facilitate local transportation, and making transit point

✓ designing walkable city through providing comfortable and safe pavement

✓ designing a standard road facility to differentiate between vehicle, motorist, and cyclist
Green building design and construction strategy

✓ promotion and implementation of green building designs and constructions through encouraging the use of energy efficient materials

✓ increasing the use of wood for climate smart buildings and encouraging tree planting

✓ encouraging embedding renewable energy and energy saving appliance in the building design
III. Next Step

- Collaboration and cooperation
- Participation
- Supporting
- Concrete actions
Comment and Questions ???