

PROJECT INFORMATION SHEET

PIP No :

1621

(To be allocated by MOP)

PART A : BASIC PROJECT INFORMATION

(Must be completed in all cases)

1. PROJECT NAME: **Project on Reducing Pollution and Preserving Environmental Flows in the East Asian Seas Through the Implementation of Integrated River Basin Management (IRBM) in ASEAN Countries**
2. PROJECT DATES:
- PROJECT START: **5/30/2023**
- ESTIMATED COMPLETION: **5/30/2027**
3. TOTAL PROJECT COST: **\$737,400**
4. RESPONSIBLE MINISTRY: **Ministry of Environment**
- RESPONSIBLE UNIT: **Department of Water Quality Management, General Directorate of Environmental Protection**
- អង្គភាពទទួលខុសត្រូវ: **នាយកដ្ឋានគ្រប់គ្រងគុណភាពទឹក នៃអគ្គនាយកដ្ឋានគាំពារបរិស្ថាន**
5. PROJECT STATUS: **On Going**

DETAILED PROJECT INFORMATION

6. TYPE OF PROJECT: **Free-standing technical assistance**
7. SOURCE OF PROJECT FUNDING: **Grant**
8. THE POLICY AREA OF THE PENTAGON STRATEGY PHASE I THAT THIS PROJECT FALLS UNDER: **V**
- Side 5. Ensuring Environmental Sustainability and Readiness for Responding to Climate Change, as well as Promotion of Green Economy**
9. THE CONTRIBUTION OF THE PROJECT TO ACHIEVE THE ABOVE POLICY:
- To improve integrated water resources management, reduce pollution loads from nutrients and other land-based activities, sustain freshwater environmental flows, and reduce climate vulnerability through demonstrations and replications, planning and strengthening of integrated river basin management.**
10. SUPPORT TO CAMBODIA INDUSTRIAL DEVELOPEMENT POLICY:
- Does this Project support to the implementation of the Cambodia Industrial Development Policy? **Yes**
- Coordination of Supporting Policies (Skills and Human Resource Development, Sciences, Technology and Innovation Promotion, Establishment and Development of Industrial Infrastructure, and Financing Measures)**
11. SECTOR:
- Environment and Conservation (includes Forestry sector)**
12. PROJECT LOCATION: (Describe the location of the project and its components.)
- Kampot,**
13. PROJECT OBJECTIVE: (Describe the major purpose of the project.)
- To establish functional IRBM mechanism in Kampong Bay and associated coastal areas to reduce pollution, sustain freshwater environmental flows and adapt to climate change vulnerabilities.**
14. PROJECT DESCRIPTION: (Provide a description of the project and all its components.)

• **Baseline Assessment of Source to Sea Continuum:**

Improved understanding of governance, socioeconomic, ecological conditions, gaps and needs of priority river basins

• **IRBM Pilot Projects for Improved Governance and Management of River Basins/Sub-Basins and Associated Coastal Areas:**

□ IRBM pilot projects demonstrate governance mechanisms and instruments for improved source to sea management in 7 priority river basins/sub-basins and coastal areas.

□ Integrated river basin management strategies and action plans in 7 priority river basins/sub-basins formulated, adopted and initiated.

• **Knowledge Management and Capacity Development:**

Improved IRBM knowledge management/sharing and enabling capacities among participating countries, partners and networks

• **Monitoring and Evaluation to achieve the objectives:**

Project level monitoring and evaluation in compliance with UNDP and mandatory GEF specific M & E requirements.

15. **PROJECT JUSTIFICATION:** (Give reasons why this particular project is considered worthwhile.)

People and economies of Kampong Bay River Basin depend heavily on ecological services that directly or indirectly relate to the river basin's hydrological system. In fact, locals rely on or use the water resources of the river basin as a source of water for agriculture, industry, tourism, and transportation. For example, according to a study by the JICA, the river basin of Kampong Bay is the only source to extract clean water for people in Kampot city, and the amount of water collected from the basin is 5,875 m³/day (JICA, 2010). Besides, the river basin of Kampong Bay is also a power source, which generates electricity of 194 MW through hydropower dam (Sinohydro, 2017). According to statistics from NCSNDD, 661 households use irrigation systems that have access to water from the river basin for their agricultural work. Maintenance of quality and quantity of water resources in the river basin of Kampong Bay is facing challenges due to the increasing demand for water by population growth and by growth of industry and agriculture activities.

Though Kampong Bay River Basin provides benefits to the society, economy and the environment, the river basin is facing water quality degradation and lack of effective governance in water resource management. Water quality degradation of Kampong Bay River Basin associates with discharge of untreated sewage into the river basin, runoffs from agriculture activities and solid waste. The total connection to the sewage system was only 3.06%, and there were very few houses with septic tanks (KP, 2013). In addition, most of sewage is discharged to natural water systems without pre-treatment.

The Kampong Bay River Basin's waste collection rate remains very limited, with much of the waste still burned, buried or dumped in public areas and water bodies. As a result, environmental pollution in the Kampong Bay River Basin due to solid waste is affecting people's health, tourism and water pollution. Although there are no statistics showing the amount of solid waste created in the river basin area but according to available statistic, the whole Kampot town, there is about 15 to 20 tons of waste collected daily and then disposed in the open dumpsite. Indeed, the real amount of solid waste generation in Kampot province shall be more as the waste collection services cover only the main roads, the main markets and the Kampot town center (CSARO, 2011).

The coastal areas of Kampong Bay River Basin have 25,250 hectares of seagrass, 953 hectares of coral and 1,960 hectares of mangrove forests. These are significant constituents of marine ecosystem which sustain biodiversity and fisheries resources in the surrounding areas. The seas in Kampot are also preserving rare species such as Dugong, Marine Dolphin and Marine Turtle (KP, 2013). Estimated annual net economic values of seagrasses in Cambodia are 1,186 USD/ha/year while the mangrove forest is 882.35 USD/ha/year (UNDP, 2007). Thus, lack of improved water pollution control measures in the river basin of Kampong Bay will lead to marine pollution in the sea and, as a result, will lead to the loss of important marine resources for supporting economic, social and natural resources in the river basin.

16. **BENIFITS:** (Who will benefit, directly and indirectly, from the project?)

Direct benefits: Ministry of Environment, will improve capacity building in term of River Basin Management, Water Quality Control and Planning.

Indirect benefit: Project will contribute to other organizations such as Ministry of Water Resource and Meteorology, Ministry of Industry, Science, Technology & Innovation, Ministry of Mine and Energy, Ministry of Planning, Ministry of Women's Affair, Ministry of Public Works and Transport, Ministry of Tourism, Ministry of Land Management, Urban Planning and Construction, Ministry of Agriculture, Forestry and Fisheries, Royal University of Phnom Penh, and Kampot Authority.

17. **FEASIBILITY STUDY**

Is a Feasibility Study for the project required? **No**

If YES, has it been carried out? **Not yet**

18. **SOCIAL & ENVIRONMENT IMPACT:** (Briefly describe the effects of the project, if any, on the people and the surrounding environment. Will the project assist in alleviating poverty?)

Project will contribute to social economic development and the environment through improving water quality and quantity of Kampong Bay River.

19. CLIMATE CHANGE

a. Is any activity or output of the project related to Climate Change? **Yes**

If Yes, please indicate **Both**

b. How is the project relevant to Climate Change?

Please select a Climate Change related sector of the project and fill up the contribution of the climate change related expenditure compared to the total project cost.

Climate Change-Related Sector	Percentage	Climate Change Relevance
17. Water quality (general)	30	Low

20. DISASTER RISK REDUCTION

Is any activity or output of the project related to Disaster Risk Reduction? **Yes**

If Yes, please indicate **Preparedness**

21. GENDER ANALYSIS: (How does the project affect the roles of the men and women in the project area? Will women be actively involved in the implementation of the project?)

The voice from affected communities, especially women and vulnerable group, will be heard during project implementation. The project will provide positive impact on people health at the project site (water quality and quantity) and the poor and vulnerable group will gain health benefit from pollution control measures implemented by the government.

22. CAPACITY TO IMPLEMENT: (Does the Ministry have the skills and experience required to implement the project?)

- **Ministry of Environment (GDEP) provide policy, technical and other support that can be mobilized within its field of competence, including leveraging additional resources through existing programs and project to support among others the establishment of the functional IRBM mechanism**
- **Regional project management unit- Partnerships in Environmental Management for the Seas of East Asia (PEMSEA) Assist in the development work plan and budget for Cambodia based on the result framework.**

23. STATUS OF PROJECT IMPLEMENTATION: (Provide a brief update on the progress of the project to date. Discuss any major problems causing delays in project implementation.)

- **Organized the national inception workshop for the GEF/UNDP/ASEAN Project on Reducing Pollution and Preserving Environmental Flows in the East Asian Seas through the Implementation of Integrated River Basin Management in ASEAN Countries in Cambodia in Kampot project (project site) from 28-29 June 2023**
- **Organized the 1st Capacity Building on IRBM and ICM from 14-17th November 2023 in Kampot province.**
- **Establishment of an Inter-Ministerial Working Group on “Reducing Pollution and Preserving Environmental Flows in the East Asian Seas through The Implementation of Integrated River Basin Management”**
- **Collaborate in develop Gender Equality and Social Inclusion (GESI) Analysis (May 2024).**
- **Facilitate hosting the 2nd RSC IRBM and 24th AWGWRM 2-3 July 2024 I Siem Reap**
- **Organized steering committee 1st Meeting for the working group on 17-18 October 2024.**

24. PROJECT PRIORITY: (Please indicates the priority ranking of the project decided by the ministry/agency.)

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25. DONOR INVOLVEMENT: (Provide any information on current or potential donor involvement in the project.)

GEF: GEF grant through the United Nations Development Programme (UNDP) as implementing agency in Cooperation with the Association of Southeast Asian Nations (ASEAN), is supporting the regional project. UNDP signed a Project Cooperation Agreement with Partnerships in Environmental Management for the Seas of East Asia (PEMSEA) Resource Facility (PRF), that engages PRF as the executing Agency of the project.

PART B : PROJECT COSTS AND FUNDING SOURCES
(In US\$'000)

INVESTMENT COST	2024		2025 Budget	2026 Estimate	2027 Estimate	2028 Estimate	3yr Total 2026-2028	Recurrent Cost Est.
	Budget	Actual						
Operational Expenditure	12.5	9.0	0.0	0.0	3.0	0.0	3.0	0.0
Salaries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Materials + Admin	12.5	9.0	0.0	0.0	3.0	0.0	3.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital Expenditure	229.3	105.7	71.1	170.6	79.6	0.0	250.2	0.0
Construction	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consultancy (i.e. TA) + Admin	18.3	10.0	4.5	28.5	16.5	0.0	45.0	0.0
Equipment+ Furniture	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Training	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	211.0	95.7	66.6	142.1	63.1	0.0	205.2	0.0
TOTAL COST	241.8	114.7	71.1	170.6	82.6	0.0	253.2	0.0
FUNDING SOURCES	2024		2025 Budget	2026 Estimate	2027 Estimate	2028 Estimate	3yr Total 2026-2028	
	Budget	Actual						
Project Revenue	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Government Funding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cash Input	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Other Resources	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Donor Funding	241.8	114.7	71.1	170.6	82.6	0.0	253.2	
Global Environment Facility	241.8	114.7	71.1	170.6	82.6	0.0	253.2	
TOTAL COMMITTED FUNDING	241.8	114.7	71.1	170.6	82.6	0.0	253.2	
FUNDING REQUIRED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
(Total Cost - Funding Available)								

**Seen and Approved by
Minister**

(Signature)

Date :