

PROJECT INFORMATION SHEET

PIP No :

1545

(To be allocated by MOP)

PART A : BASIC PROJECT INFORMATION

(Must be completed in all cases)

1. PROJECT NAME: **Bakheng Water Supply Project Phase 3**
2. PROJECT DATES:
PROJECT START: **1/5/2024**
ESTIMATED COMPLETION: **1/1/2027**
3. TOTAL PROJECT COST: **\$245,000,000**
4. RESPONSIBLE MINISTRY: **Ministry of Industry, Science, Technology & Innovation**
RESPONSIBLE UNIT: **Phnom Penh Water Supply Authority**
អង្គភាពទទួលខុសត្រូវ: **រដ្ឋាករទឹកស្វយ័តក្រុងភ្នំពេញ (រ.ទ.ស.ក)**
5. PROJECT STATUS: **On Going**

DETAILED PROJECT INFORMATION

6. TYPE OF PROJECT: **Investment project**
7. SOURCE OF PROJECT FUNDING: **Mix of RGC, Grant and Loan**
8. THE POLICY AREA OF THE PENTAGON STRATEGY PHASE I THAT THIS PROJECT FALLS UNDER:V
Pentagon 4. Resilient, Sustainable and Inclusive Development
9. THE CONTRIBUTION OF THE PROJECT TO ACHIEVE THE ABOVE POLICY:
 - **The Pentagonal Strategy-Phase I adopts five key priorities, in particular, number 3 and number 5 as follow:**
 - **Water**
 - **And Digital Technology**
 - **To achieve the government's CSDG Goal 6, which aimed 100 percent of people living in urban areas to have access to clean drinking water by 2025.**
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 - **Support and strengthen the participation of local communities in improving water and sanitation management.**
10. SUPPORT TO CAMBODIA INDUSTRIAL DEVELOPEMENT POLICY:
Does this Project support to the implementation of the Cambodia Industrial Development Policy? **No**
11. SECTOR:
Water and Sanitation (excluding rural)
12. PROJECT LOCATION: (Describe the location of the project and its components.)
Phnom Penh,
13. PROJECT OBJECTIVE: (Describe the major purpose of the project.)
To satisfy the people's demand for clean water across Phnom Penh Capital and Khrong Takhmau 2023-2030
14. PROJECT DESCRIPTION: (Provide a description of the project and all its components.)
Components:
 - **Construction of the Bakheng Water Production Facility (capacity 195MLD)**
 - **Technical assistance**
 - **Network extension**
 - **Capacity building**
15. PROJECT JUSTIFICATION: (Give reasons why this particular project is considered worthwhile.)

In order to achieve Clean Water Policy, PPWSA shall implement the Construction of of Bakheng Water Production Facilities with capacity of 195,000m³/day as per 3rd Master Plan “2016-2030” recommendation.

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

- **About 130,000 families will be benefited from the Project.**
- **Responsive to water demand forecast 2023-2030 and keep sound financial sustainability of PPWSA for long run.**
- **To provide the potential of treated water service to local people, businesses and factories for permanent use both currently and in the future, and to improve the sanitation in water use for people in Phnom Penh’s outskirts. On the other hand, to create a higher pressure of water supply for the people in the outskirts of Phnom Penh and to expand to the areas where there have not been accessed to pipe water.**

17. FEASIBILITY STUDY

Is a Feasibility Study for the project required? **Yes**

If YES, has it been carried out? **Has been done**

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

EIA report certified by Ministry of Environment, Cambodia, in Jan 2019, Ref. No. 116 MoE.

19. CLIMATE CHANGE

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

If Yes, please indicate **Adaptation**

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
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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?)

- **Alleviate burden of Women & Children.**

- **During implementation of the project, women will actively participate. In PPWSA Project Management Unit (PMU), number of women working in Contract Administration/Accounting. The women also employ by Construction Contractor with protection by Contract.**

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

- **PPWSA has gained lot of experiences. More Loan Investment Projects and Grant Projects have been implemented.**

- **PPWSA’s PMU will cooperate with construction Supervision Consultant to supervise the Design and Construction of Bakheng Water Production Facilities Stage 1**

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.)

- Loan agreements No CKH1244 01 M between MeF/AFD were signed in 24 December 2019.
- Sub-loan agreements between MeF and PPWSA were signed in 14 November 2020.
- The Construction Supervision Consultant already selected.
- The Construction Contractor already selected.
- Transportation of Goods and construction materials from SHV port to project site may face Phnom Penh City Hall traffic regulation.
- The installation transmission pipes and distribution pipes implemented as planned.
- The main challenge encountered was obviously the Covid situation:
 - Difficulties to access the restricted areas for construction of transmission and distribution mains
 - Difficulties to move machinery between works sites due to roads blockage
 - Delay in shipment of materials due to Covid restrictions in Cambodia and in the countries of origin.
- Pipeline DN2000mm crossing Tonle Sap riverbed: the completion of the inlet shaft, through which the microtunnelling boring machine and the pipe elements are introduced, was delayed due to incoming water. Again, it took a long time to identify suitable remedial measures and construction techniques.
- Transportation of Goods and construction materials from SHV port to project site may face Phnom Penh City Hall traffic regulation.
- Any delay in Construction Contract may face heavily price to Clean Water Policy and the household living in Phnom Penh peri-urban areas have no water supply as planned.

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.)

AFD

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

INVESTMENT COST	2023		2024 Budget	2025 Estimate	2026 Estimate	2027 Estimate	3yr Total 2025-2027	Recurrent Cost Est.
	Budget	Actual						
Operational Expenditure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salaries	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Materials + Admin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital Expenditure	0.0	0.0	0.0	20,000.0	20,000.0	20,000.0	60,000.0	0.0
Construction	0.0	0.0	0.0	20,000.0	20,000.0	20,000.0	60,000.0	0.0
Consultancy (i.e. TA) + Admin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL COST	0.0	0.0	0.0	20,000.0	20,000.0	20,000.0	60,000.0	0.0
FUNDING SOURCES	2023		2024 Budget	2025 Estimate	2026 Estimate	2027 Estimate	3yr Total 2025-2027	
	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	0.0	0.0	0.0	20,000.0	20,000.0	20,000.0	60,000.0	
French Development Agency	0.0	0.0	0.0	20,000.0	20,000.0	20,000.0	60,000.0	
TOTAL COMMITTED FUNDING	0.0	0.0	0.0	20,000.0	20,000.0	20,000.0	60,000.0	
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 :