

PROJECT INFORMATION SHEET

PIP No : 1003

(To be allocated by MOP)

PART A : BASIC PROJECT INFORMATION

(Must be completed in all cases)

1. PROJECT NAME: **Bakheng Water Supply Project Phase 1**
2. PROJECT DATES:
PROJECT START: **1/13/2020**
ESTIMATED COMPLETION: **11/30/2022**
3. TOTAL PROJECT COST: **\$247,000,000**
4. RESPONSIBLE MINISTRY: **Ministry of Industry, Science, Technology & Innovation**
RESPONSIBLE UNIT: **Phnom Penh Water Supply Authority**
អង្គភាពទទួលខុសត្រូវ: **រដ្ឋាករទឹកស្វយ័តក្រុងភ្នំពេញ (រទសក)**
5. PROJECT STATUS: **Completed**

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:
Side 1. Development of Labor Market
9. THE CONTRIBUTION OF THE PROJECT TO ACHIEVE THE ABOVE POLICY:
Clean Water Policy of Samdech Techo Hun Sen, Prime Minister of Cambodia has set to meet the target of 90% clean water coverage to people living in urban area and throughout the country and 10% of people gain access of clean water from the other sources by 2025.
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) Water and Sanitation (excluding rural)
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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 2022-2030
14. PROJECT DESCRIPTION: (Provide a description of the project and all its components.)

- Construction of an intake for 2 stages (448 MLD peak capacity and 390 MLD nominal capacity) on Mekong River Phase 1 is estimated at 195 MLD nominal capacity (with provision for some of the structures built for the 2 phases);
- RWPS for one stage (224 MLD peak capacity at 21m TMH);
- RWTM of DN2000 for 2 stages;
- WTP and TWT for one stage (195 MLD);
- TWPS Building for 2 stages (624 MLD peak capacity);
- TWPS E&M for one stage (312 MLD peak capacity at 61m TMH);
- TWTM for 2 stages. Diameter DN 2000 (or 2 x 1 400 mm) up to Tonle Sap;
- Tonle Sap crossing (500 m width) according to Contractor design (diameter expected around DN 2000).

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

In order to achieve Clean Water Policy of Samdech Techo Hun Sen, PPWSA shall implement the Construction of Bakheng Water Production Facilities with capacity of 195,000m³/day as per 3rd Master Plan recommendation.

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

- About 166,000 families will be benefited from the Project;
- Responsive to water demand forecast 2022-2030 and keep sound financial sustainability of PPWSA for long run
- Responsive to political socio-economic and can keep competitive advantage with our neighbor's Country and in Region.

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. 10 Loan Investment Projects and 15 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.)

- Both Loan agreements between MeF/AFD and MeF/ EIB were signed in the end of 2018.
- Two Sub-loan agreements between MeF and PPWSA are under review
- The Construction Supervision Consultant already selected.
- The Construction Contractor already selected.
- The permission from authority to install transmission pipes DN2000mm crossing under Sap River and other right of way to install water transmission pipes are certainty.
- 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 of Samdech Techo Hun Sen 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, EIB and EU

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	41,652.6	0.0	11,346.9	0.0	0.0	0.0	0.0	0.0
Construction	31,344.7	0.0	7,916.1	0.0	0.0	0.0	0.0	0.0
Consultancy (i.e. TA) + Admin	1,076.6	0.0	773.7	0.0	0.0	0.0	0.0	0.0
Equipment+ Furniture	5,175.0	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	4,056.3	0.0	2,657.1	0.0	0.0	0.0	0.0	0.0
TOTAL COST	41,652.599	0.0	11,346.9	0.0	0.0	0.0	0.0	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	33,115.5	0.0	7,606.7	0.0	0.0	0.0	0.0	
French Development Agency	13,779.6	0.0	3,848.6	0.0	0.0	0.0	0.0	
European Investment Bank	15,525.9	0.0	3,758.1	0.0	0.0	0.0	0.0	
EU Alternative Investment Fund	3,810.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL COMMITTED FUNDING	33,115.5	0.0	7,606.7	0.0	0.0	0.0	0.0	
FUNDING REQUIRED	8,537.099	0.0	3,740.2	0.0	0.0	0.0	0.0	
(Total Cost - Funding Available)								

**Seen and Approved by
Minister**

(Signature)

Date :