

PROJECT INFORMATION SHEET

PIP No :

638

(To be allocated by MOP)

PART A : BASIC PROJECT INFORMATION

(Must be completed in all cases)

1. PROJECT NAME: **Modernization of Natural Rubber Research Infrastructure to Support Smallholder Processors and Rubber Industrials**
2. PROJECT DATES:
- PROJECT START: **2/1/2026**
- ESTIMATED COMPLETION: **12/31/2028**
3. TOTAL PROJECT COST: **\$10,000,000**
4. RESPONSIBLE MINISTRY: **Ministry of Agriculture, Forestry and Fisheries**
- RESPONSIBLE UNIT: **IRCC**
- អង្គភាពទទួលខុសត្រូវ: **វិទ្យាស្ថានស្រាវជ្រាវកៅស៊ូកម្ពុជា**
5. PROJECT STATUS: **Planned**

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**
- Side 5. Continued Promotion of Deeper Integration into the Regional and Global Economy**
9. THE CONTRIBUTION OF THE PROJECT TO ACHIEVE THE ABOVE POLICY:
- **Infrastructure:** The Cambodian Rubber Research Institute will be modernized with the state-of-the-art infrastructure for research on rubber technology to support smallholders and rubber industrials;
 - **Diversification:** Different grades of natural rubber including RSS CV60, TSR CV60 and compound rubber etc. could be produced by Cambodian smallholders and rubber industrials;
 - **Productivity:** The new grades will have higher added value than conventional grades and would attract attentions of worldwide customers to Cambodian natural rubber.
 - **Value addition:** Different types of rubber-based products will be manufactured to study the suitable formulation, the technical and economical feasibilities.
10. SUPPORT TO CAMBODIA INDUSTRIAL DEVELOPEMENT POLICY:
- Does this Project support to the implementation of the Cambodia Industrial Development Policy? **No**
11. SECTOR:
- Agriculture, Fisheries & Land Management:** **Research and Extension Services**
excluding seasonal Crop production
12. PROJECT LOCATION: (Describe the location of the project and its components.)
- Kampong Cham, Tbong Khmum,**
13. PROJECT OBJECTIVE: (Describe the major purpose of the project.)

- Upgrading the research capability of the Cambodian Rubber Research Institute to meet the state-of-the-art research facility;
- Protecting the environment from the discharge of effluents from natural rubber processing factories;
- Increasing the income of smallholders processors through production of a new grade of natural rubber: Viscosity Stabilized Ribbed Smoked Sheet (RSS CV60);
- Building and enhancing the research capacity of Cambodian young scientists in the field of rubber technology.

14. PROJECT DESCRIPTION: (Provide a description of the project and all its components.)

- **Construction:** Building small-scale processing factory, effluent treatment plant, workshop for rubber-based manufacturing and laboratory for rubber technology;
- **Research:** Experiment on the Processing of specific grades of natural rubber at smallholder processing factories and other grades at the rubber industrial factories;
- **Training:** Writing a guideline for processing of specific grades and providing training and technical assistance to smallholders processors to manufacture them.

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

(1) The Cambodian Rubber Research Institute is hosting the National Specifications Laboratory recognized by IRA (International Rubber Association) as the regional testing laboratory for the international contract for the Technically Specified Rubber (TSR). The laboratory is currently conducting tests for specifications only. The research on rubber technology, raw rubber processing and end-product manufacturing, needs an additional type of infrastructure.

(2) The TSR CV60 is currently a premium grade produced only by industrial or large scale crumb rubber processors. This grade is sold 10% higher than TSR 5L, a good quality natural rubber which is very clean and has transparent aspect. Smallholders processors are manually producing ribbed smoked sheet natural rubber. Low capital investment is required to produce the later but it is often sold at about 10% lower price than TSR 5L. This project targets and helps the smallholders processors to produce RSS CV60 that would be valued comparable to TSR CV60 (only produced by industrial processors), though low investment cost is used. Thus by producing and selling RSS CV60 instead of RSS 3, the income of smallholders processors would increase by 15%.

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

- **Direct benefit:** rubber stakeholders including smallholders, industrial processors and manufacturers
- **Indirect benefit:** workers, students, local population

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?)

- **Poverty reduction:** smallholders would benefit from higher added-value of a new special grade of natural rubber.
- **Job creation for women:** workers in the RSS processing units are mainly women.

19. CLIMATE CHANGE

a. Is any activity or output of the project related to Climate Change? **No**

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 |
|-------------------------------|------------|--------------------------|
|-------------------------------|------------|--------------------------|

20. DISASTER RISK REDUCTION

Is any activity or output of the project related to Disaster Risk Reduction? **No**

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?)

- **Women workers will be involved in the processing: sheeting and packaging areas.**
- **Men workers will be involved in the processing: operating of machineries and smoked-houses.**
- **Women testing operators will be involved in the testing and grading.**

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

The Cambodian Rubber Research Institute (CRRI) has experienced senior researchers holding higher education degrees ranging from chemical engineer degree to PhD degree.

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.)

This project needs the assistance.

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.)

Finding development partner to provide budget

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 | 0.0 | 0.0 | 0.0 | 800.0 | 800.0 | 800.0 | 2,400.0 | 0.0 |
| Salaries | 0.0 | 0.0 | 0.0 | 500.0 | 500.0 | 500.0 | 1,500.0 | 0.0 |
| Materials + Admin | 0.0 | 0.0 | 0.0 | 300.0 | 300.0 | 300.0 | 900.0 | 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 | 2,200.0 | 2,200.0 | 3,200.0 | 7,600.0 | 0.0 |
| Construction | 0.0 | 0.0 | 0.0 | 1,000.0 | 1,000.0 | 1,000.0 | 3,000.0 | 0.0 |
| Consultancy (i.e. TA) + Admin | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 300.0 | 0.0 |
| Equipment+ Furniture | 0.0 | 0.0 | 0.0 | 1,000.0 | 1,000.0 | 2,000.0 | 4,000.0 | 0.0 |
| Training | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 | 100.0 | 300.0 | 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 | 3,000.0 | 3,000.0 | 4,000.0 | 10,000.0 | 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 | | | | | | | | |
| TOTAL COMMITTED FUNDING | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| FUNDING REQUIRED | 0.0 | 0.0 | 0.0 | 3,000.0 | 3,000.0 | 4,000.0 | 10,000.0 | |
| (Total Cost - Funding Available) | | | | | | | | |

**Seen and Approved by
Minister**

(Signature)

Date :