

JCM project cases in Cambodia and good practices

Presented by Mr. Sokhim PICH

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Department of Climate Change

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Back in 2014, Cambodia and Japan signed the document on the collaboration of the JCM projects implementation.

A joint committee was established to operate the JCM projects, which had representatives from MoE, MME, MISTI, MPWT, and MAFF.

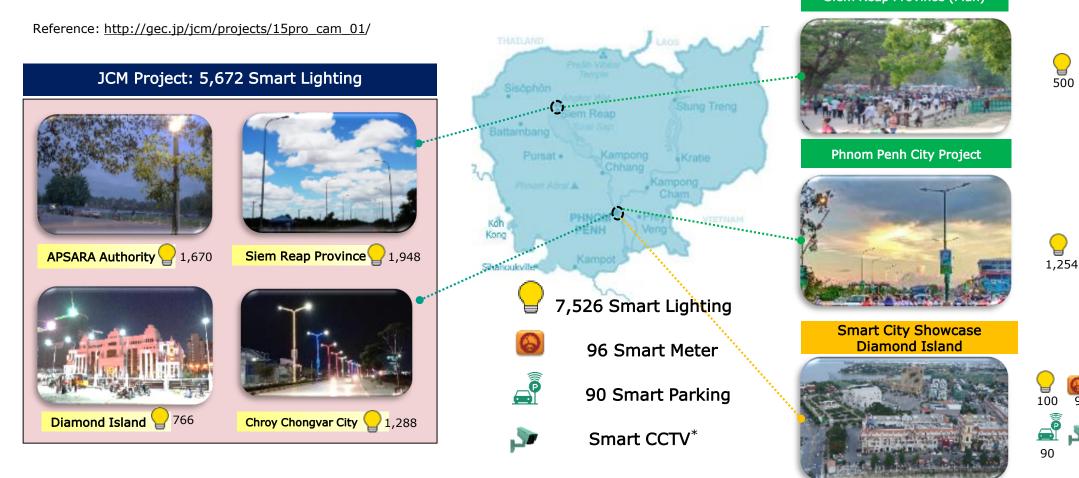




There are 8 JCM project have been implementing so far:

- 1. Introduction of High Efficiency LED Lighting Utilizing Wireless Network
- 2. Introduction of 1MW Solar Power System and High Efficiency Centrifugal Chiller in Large Shopping Mall
- 3. Provincial Water Supply and Sanitation Project
- 4. Hybrid Power Plant Project with Biomass and Solar Power in Kandal Province
- 5. Introduction of Ultra-lightweight Solar Panels for Power Generation at International School
- 6. Energy Saving by Inverters for Distribution Pumps in Water Treatment Plant
- 7. 1.5MW Solar Power Project in Kampong Thom
- 8. Reducing Deforestation and forest degradation through forest conservation in Cambodia (JCM REDD+ in Prey Lang)

- 1. Introduction of High Efficiency LED Lighting Utilizing Wireless Network
- Infrastructural support and contribution to sustainable environmental development in Cambodia by implementation of JCM project.
 Siem Reap Province (Plan)



MOE JAPAN



2. Introduction of 1MW Solar Power System and High Efficiency Centrifugal Chiller in Large Shopping Mall

Expected GHG Emission Reductions <u>881 tCO2-eq./year</u> 1) Solar Power Generation: 522 [tCO2/year] 2) High Efficiency Chiller: 359.9 [tCO2/year]





3. Provincial Water Supply and Sanitation Project

Expected GHG emission reductions 6,371 tCO2/yr

Technology to be adopted: Energy efficient wastewater treatment facility



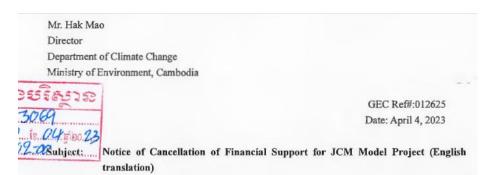


4. Hybrid Power Plant Project with Biomass and Solar Power in Kandal Province

Biomass power generation 1,316tC02/year,

Solar power system 565tC02/year

Power generation type : Gasification method rice huskfired biomass power generation and hybrid power generation of solar power generation



Dear Mr. Mao,

I, Naoshi Suzuki, on behalf of Global Environment Centre Foundation (GEC), as the implementing organization of the Financing Programme for JCM Model Projects funded by the Ministry of the Environment, Japan, notify that GEC officially issued the Notice of Cancellation of Financial Support for the JCM Model Project mentioned in the attached Appendix.

The English translation of the Notice of Cancellation of Financial Support attached to this letter as Appendix is a part of the original notice. Please note that the governing language of the Notice is in Japanese and the English translation is prepared for reference purpose only.

Yours sincerely,

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Naoshi SUZUKI President Global Environment Centre Foundation



Self-consumption of

5. Introduction of Ultra-lightweight Solar Panels for Power Generation at International School

Expected GHG Emission Reductions: <u>104 tCO2-eq./year</u>



International School



6. Energy Saving by Inverters for Distribution Pumps in Water Treatment Plant





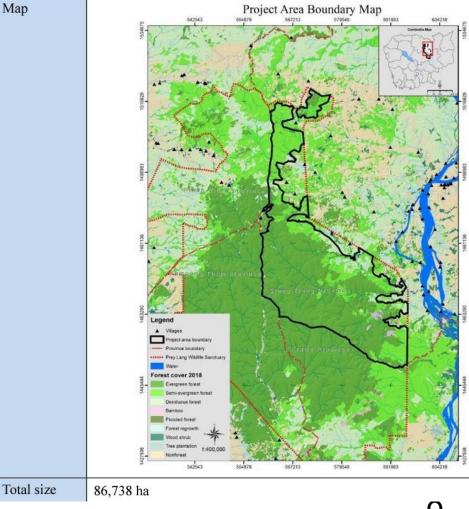
7. 1.5MW Solar Power Project in Kampong Thom (Not yet start)

This project has been terminated, because project participants withdrew from the Project.

8. Reducing Deforestation and forest degradation through forest conservation in Cambodia (JCM REDD+ in Prey Lang)

Phase 1 (March 2018 – 3years): Strung Treng 120k ha

Phase 2 (March 2021 – 3years): Prey Lang Wildlife Sanctuary (431,683 ha)



JCM projects contribute to national GHG ER targets



Cambodia Sustainable Development Goals (CSDGs)

All of GHG ER from JCM projects in Cambodia have been using toward CSDG emission reduction target.

- Nationally Determine Contribution Update (NDC Update)
 - 42% of GHG ER by 2030.

Long-Term Strategy for Carbon Neutrality (LTS4CN)

 Achieve net zero emission target and become carbon neutrality by 2050





- Technologies transfer and exchange knowledge;
- ■Jobs creation;
- Achieve GHG ER targets of both countries;
- Economic and GDP growth; and
- Strengthen both countries' friendship and strong cooperation.

- Established National Sub-Working on GHG Inventory
- Developed operations Manual for the implementation of the Article 6 of the Paris Agreement on Cambodia Climate in Cambodia
- Finalizing the draft sub decree on Greenhouse Gas Emissions Reduction

Operations Manual for the Implementation of Article 6 of the Paris Agreement on Climate Change in Cambodia

June 2023



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Dr. Hak Mao-Director of Climate Change Department, Ministry of Environment, shared the experience of his country with the JCM, a partnership that helps Cambodia achieve its Nationally Determined Contribution and emission reduction targets. He discussed the mitigation projects they have developed under the JCM, including REDD+ and other renewable energy projects.



A Joint Crediting Mechanism Workshop was held in 2019 in Cambodia " Contribution to NDC and SDGs Implementation" organized by the Department of Climate Change and supported by the Institute for Global Environmental Strategy (IGES).



Thank you so much for your kind attention!!!



Department of Climate Change of the General Directorate of Policy and Sustainable of the Ministry of Environment

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