

Call for Proposals for JCM Model Projects in 2017

Guidelines for Submitting Proposals

(Tentative translation)

7 April 2017

Global Environment Centre Foundation

Table of Contents

| | |
|--|-----------|
| 1. Purpose | 1 |
| 2. Contents | 1 |
| (1) Overview | 1 |
| (2) Eligible Projects | 2 |
| (3) Countries of Priority | 3 |
| (4) Who Is Eligible to Participate? | 3 |
| (5) Requirements of International Consortium Members..... | 4 |
| (6) Costs Eligible for Financing | 5 |
| (7) Amounts of Financial Support | 6 |
| (8) Maximum Percentage of Financial Support | 6 |
| (9) Implementation Period of Model Projects..... | 6 |
| (10) Schedule | 6 |
| 3. Evaluation and Selection of Proposals | 7 |
| (1) Selection of Model Projects..... | 7 |
| (2) Evaluation of Proposals | 8 |
| (3) Announcement of Selected Model Projects..... | 8 |
| 4. Procedure after Announcement of Selection..... | 8 |
| (1) Application for Contract of Finance | 8 |
| (2) Conclusion of Contract of Finance..... | 8 |
| (3) Points to be Considered for Starting Model Projects..... | 8 |
| (4) Changes in Implementation Plans | 9 |
| (5) Cost | 9 |
| (6) Reports to be Submitted and its Review | 9 |
| (7) Reimbursement of Finance..... | 9 |
| (8) Management of Acquired Property | 9 |
| (9) Changes in Members of International Consortium..... | 10 |
| (10) Cancellation of Contract of Finance | 10 |
| (11) Penalty for Injustice Acts..... | 10 |
| 5. Submission of Proposals | 10 |
| (1) How to Submit Proposals..... | 10 |
| (2) Deadline for Submission of Proposals..... | 11 |
| (3) Documents to be Submitted..... | 11 |
| (4) Where to Submit Proposals?..... | 11 |
| (5) Explanatory Meeting | 12 |
| (6) Questions and Answers | 12 |

| | |
|---|-----------|
| 6. Treatment of Information..... | 12 |
| 7. Note | 12 |
| (1) Presentations on Model Projects | 12 |
| (2) Other..... | 12 |
| Annex 1 Categorization by applied technology type, Number of JCM model project by each country | 13 |
| Annex 2 Evaluation Criteria for Selecting JCM Model Projects in FY2017 | 14 |

1. Purpose

Japan establishes and implements the Joint Crediting Mechanism (hereinafter referred to as “JCM”) in order both to appropriately evaluate contributions from Japan to GHG emission reductions or removals in a quantitative manner achieved through the diffusion of low carbon technologies, products, systems, services, and infrastructure as well as implementation of mitigation actions in developing countries.

Starting from Mongolia in January 2013, Japan has established the JCM with 17 partner countries (Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Viet Nam, Lao PDR, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand and Philippines) as of 7 April 4 2017.

In order to support the implementation of candidate JCM projects, Ministry of the Environment, Japan (hereinafter referred to as “MOEJ”) has launched the “JCM Model Projects (hereinafter referred to as “model project”),” which includes collaboration with projects supported by the Japan International Cooperation Agency and other governmental-affiliated financial institution.

The purpose of this model project is to financially support the implementation of projects which reduce greenhouse gas (GHG) emissions by utilizing leading low carbon technologies in developing countries, and in return seeks to acquire JCM credits for achievement of Japan’s GHG emission reduction target.

2. Contents

(1) Overview

Participants in the model project shall implement a project to reduce GHG emissions utilizing leading low carbon technologies, and also shall conduct measurement, reporting and verification (MRV) of GHG emission reductions.

The model project will finance part of an investment cost, as premises for seeking to deliver JCM credits (at least half of issued credits) to the Government of Japan. The finance will be provided to a Japanese representative participant in an international consortium composed of a Japanese participant(s) and a JCM partner-country participant(s) which shall efficiently promote the implementation of projects (hereinafter referred to as “international consortium”).

Participants shall conduct the following procedures of their relevant project:

(a) Application for registration as JCM Project:

Participants shall apply their relevant project to be registered as a JCM project, including developing a Project Design Document (PDD), conducting a local stakeholder consultation (LSC) as a part of development of PDD, and cooperating with a Third Party Entity (TPE) which implements validation of their relevant project. In principle, application for registration should be conducted within 1 year from the start of the operation of the facilities introduced

by the project. In order to apply for registration of JCM project, it is necessary to develop an appropriate JCM methodology(ies) approved by the Joint Committee. Participants shall develop a JCM methodology(ies) by themselves or cooperate with JCM methodologies developers, by providing information necessary for the development of JCM methodology(ies) applicable to the relevant project, etc.

(b) Monitoring

Participants shall conduct monitoring to quantitate the effects of the facilities on GHG emission reductions, and report the results to MOEJ each year until the end of legal durable years of the facilities as stipulated by the Japanese law. Please note that MOEJ may share the results with partner countries.

(c) Request for Issuance of JCM Credits

Based on the monitoring results mentioned in (b), participants shall request for issuance of JCM credits, including development of a monitoring report, verification by a TPE, and submission of “JCM Credits Issuance Request Form” to a JCM Joint Committee. Also, the participants shall deliver at least fifty percent of the issued JCM credits to the account of Japanese government.

(d) Issuance Period

Participants shall request for issuance of JCM credits for emission reductions achieved from the start of commercial operation to the end of legal durable years (Only for the period that a bilateral document of partner country concerned is valid. Participants are not prevented from requesting for issuance of JCM credits beyond the legal durable years. In this case, participants are required to deliver at least fifty percent of the issued JCM credits to the account of Japanese government.)

(e) When to Request for Issuance

The first request for issuance shall be conducted within 1 year from the registration of the JCM project in principle. After the first request, participants may request at once for issuance of JCM credits for emission reductions achieved during several years, but they shall request by the end of 2021 for emission reductions achieved by 2020, and by the end of 2031 for emission reductions achieved from 2021 to 2030.

* Costs related to (a) through (e) are not covered by this model project. However, if MOEJ considers it's necessary, it may be covered by contract other than JCM model project by MOEJ for development of methodologies, Project Design Documents (PDDs) and monitoring reports, and validation/verification for the first credit issuance.

(2) Eligible Projects

A project eligible for the model project shall satisfy the requirements (a) to (d) listed below:

- (a) Projects that reduce energy-related CO₂ emissions with leading low carbon technologies in developing countries with which Japan has signed or has been consulting to sign a bilateral document on JCM, and that are expected to contribute to achieving Japan's emission reduction target through the JCM;
- (b) Projects contribute to the sustainable development in partner countries
- (c) Reduction of GHG emissions achieved by the projects can be quantitatively calculated and verified; and
- (d) Facilities installed by the projects do not receive any other subsidy by the Government of Japan.

(3) Countries of Priority

The model project shall prioritize the following countries that have already established the JCM (as of 7 April 2017):

Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Vietnam, Laos, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand and Philippines
 (*If other countries establishes JCM subsequently, they shall be included.)

(4) Who Is Eligible to Participate?

A participant which is entitled to request and receive financial support under the model project shall satisfy the requirements (a) to (g) listed below:

- (a) A representative participant of the model project shall be a Japanese entity which is:
 - i. a private company,
 - ii. an independent administrative institution,
 - iii. an incorporated association/foundation,
 - iv. a corporation established under the Japanese law, or
 - v. any organization admitted as appropriate by the Global Environment Centre Foundation (GEC) with approval from the Minister of the Environment, Japan
- (b) A participant described in (a) shall be the representative entity of an international consortium.

Note 1: International consortium is an association (no legal personality) that consists of a Japanese entity mentioned in (a) and a foreign entity(ies), etc., with the objective of effectively implementing the project.

Note 2: Application for the model project shall be in the form of joint application by the international consortium, with the single Japanese entity to act as the representative participant. Member(s) of the international consortium other than the representative participant is called as a partner participant(s).

Note 3: Unless GEC approves, the representative participant and a partner participant(s) cannot be changed after the selection of project.

- (c) A participant shall have developed structure for the implementation of the eligible project and have technical capacity to appropriately implement the eligible project;
- (d) A participant shall have a financial basis to bear costs necessary to appropriately implement the eligible project;
- (e) A participant shall have adequate management structures and handling capacity for accounting and other administrative work related to the eligible project;
- (f) A participant shall explain the contents, effect on GHG emission reductions, details of the cost, investment plan, etc. of the eligible project;
- (g) A participant shall take a pledge regarding the exclusion of *boryokudan*, or organized crime groups.

(5) Requirements of International Consortium Members

- (a) Japanese entity as a representative participant of an international consortium is responsible for the followings:
 - i. Applying for the model project,
 - ii. Managing the progress in the project, developing the project implementation plan, and acting as the contact entity for accounting and other administrative work related to the project,
 - iii. Introducing the leading low carbon technology,
 - iv. Purchasing, installing and commissioning of the facilities during the construction period, and managing the facilities to be utilized according to the purpose of the model project for the legal durable years of the facilities as stipulated by the Japanese law,
 - v. Return of the finance resulting from violations of the Financing Regulations by any of the partner participants.
- (b) All members of the international consortium are responsible for the followings:
 - i. To cooperate with JCM methodology developers by providing information required to develop a methodology applicable to the project for GHG emissions reduction;
 - ii. To cooperate with TPEs by providing materials and information required to efficiently conduct validation of the abovementioned project and verification of GHG emission reduction at the project site;
 - iii. To reduce, monitor and calculate GHG emissions utilizing the facilities with leading low carbon technology;
 - iv. To estimate the GHG emission reductions by the project, and to report it to GEC or MOEJ annually until the end of the legal durable years of the facilities as stipulated by the Japanese law, which is unique to each project;
 - v. To request the Joint Committee to issue credits and take necessary actions such as application for the project registration by the Joint Committee set up or to be set up by the

Governments of Japan and JCM partner country;

- vi. To deliver at least fifty percent of the JCM credits of GHG issued corresponding to emission reduction achieved by the project for the abovementioned legal durable years to the account of Japanese government;
- vii. To manage the facilities with due care of a prudent manager for their legal durable years as stipulated by the Japanese law in order to realize their efficient operation in accordance with the purpose of the financial support even after the completion of the model project.
- viii. To report to GEC in case that a constituent member is changed and to continue the above obligations from i. to vii.

* For Japanese legal durable years, please refer to the website below (Japanese only):

<http://law.e-gov.go.jp/htmldata/S40/S40F03401000015.html>

(6) Costs Eligible for Financing

The model project covers the following costs. Note that the financial support is limited only to those costs that can be verified as having been spent for implementation of eligible projects.

- (a) Cost of main construction work
- (b) Cost of ancillary work
- (c) Cost of machinery and appliances
- (d) Cost of surveying and testing
- (e) Cost of facilities (including monitoring equipment)
- (f) Cost of administrative work; and
- (g) Other necessary costs approved by GEC

[Costs NOT eligible for financing]

The following costs are not covered by the model project:

- (a) Cost of removing existing facilities (including miscellaneous expenses related to removal costs)
- (b) Consumable supplies and materials to be used for periodical maintenance during the commercial operation
- (c) Civil engineering work and building (excluding structures that directly contribute to energy-related CO₂ emission reductions)
- (d) Cost related to a “simple restoration of function,” such as restoring the function to the state at the time of installation by updating existing facilities
- (e) Facilities that could become a source of small amounts of CO₂ emissions
- (f) Peripheral facilities that does not contribute to CO₂ emission reductions (excluding monitoring equipment)

- (g) Spare items used for the repair or replacement of failed units
- (h) Cost related to writing reports
- (i) Cost of setting up a forward exchange contract and bank transfer fee

(7) Amounts of Financial Support

Maximum amount of financial support shall be calculated by multiplying the aggregate amount of eligible costs by the percentage listed in (8).

Actual amount of financial support shall be determined based on the cost which is verified as actually spent for implementation of the project and be indicated in a notice to a representative participant. There is no disbursement prior to the spending of cost.

(8) Maximum Percentage of Financial Support

Please refer to Annex 1 “Categorization by applied technology type, Number of JCM model project by each country” for actual number of already selected projects.

| Number of already selected project(s) using a similar technology in each partner country | Percentage of financial support |
|--|--|
| None (0) | Up to 50% (determined by participants) |
| Up to 3 (1 – 3) | Up to 40% (determined by participants) |
| More than 3 (>3) | Up to 30% (determined by participants) |

(9) Implementation Period of Model Projects

The implementation period of the model projects (i.e. the period for installing facilities and completing all the payment) shall be from the date indicated on the Notice of Contract of Finance until 31 January 2020 at longest. Contract or purchase order prior to or after this period is not covered by this model project.

(10) Schedule

| Date | Items |
|---|---|
| Friday, 7 April 2017 | Announcement of call for proposals |
| Monday, 15 May (12:00 JST) | Deadline for submitting proposals |
| Around end of June 2017 | Selection of model projects Information session for participants of selected projects |
| Within 90 days from the date of preliminary selection | Review of application documents (technical aspects and projects budget (including supporting documents for the budget), etc.) |

| | |
|---------------------------|---|
| | Notice of Contract of Finance issued to participants Implementation of model projects |
| End of February 2018 | [1-year project] Completion of model projects |
| February – March 2018 | [1-year project] <ul style="list-style-type: none"> - Submission of final reports (due by 9 March) - Inspection by GEC (document review and on-site inspection, etc. if necessary) [2- or 3-year projects] <ul style="list-style-type: none"> - Midterm inspection by GEC (document review and on-site inspection, etc. if necessary) - Submission of midterm reports (due by 10 April) |
| Japanese Fiscal Year 2018 | |
| April 2018 | Disbursement of financial support |
| End of February 2019 | [2-year project] Completion of model projects |
| February – March 2019 | [2-year project] <ul style="list-style-type: none"> - Submission of final reports (due by 8 March) - Inspection by GEC (document review and on-site inspection, etc. if necessary) [3-year projects] <ul style="list-style-type: none"> - Midterm inspection by GEC (document review and on-site inspection, etc. if necessary) - Submission of midterm reports (due by 10 April) |
| Japanese Fiscal Year 2019 | |
| April 2019 | Disbursement of financial support |
| End of January 2020 | [3-year project] Completion of model projects |
| February – March 2019 | [3-year project] <ul style="list-style-type: none"> - Submission of final reports - Inspection by GEC (document review and on-site inspection, etc. if necessary) |
| – March 2019 | Disbursement of financial support |

3. Evaluation and Selection of Proposals

(1) Selection of Model Projects

GEC conducts call for request for proposals and evaluates them according to Annex 2 “Evaluation Criteria for selecting JCM Model Projects” (hereinafter referred to as “Evaluation Criteria”). After the

assessment and hearings, in consultation with MOEJ, GEC will select model projects within the budget.

(2) Evaluation of Proposals

Firstly, proposals are assessed whether they satisfy all the criteria in “A. Eligibility Review” of Evaluation Criteria. For those proposals that pass the first round of assessment, GEC will conduct hearings based on the criteria in “B. Assessment Review” of Evaluation Criteria. Please note that GEC may request additional documents during the evaluation.

The hearings are expected to be conducted within 4 weeks from the deadline of submitting proposals.

(3) Announcement of Selected Model Projects

GEC will issue a notice to participants of selected model projects, and the information about these selected projects (name of Partner Country and representative participant, title of project, and expected GHG emission reductions, etc.) are publicly posted on MOEJ and GEC’s websites.

GEC will also inform participants that their model projects are not selected. Please note that result of evaluation or reasons for not selecting the projects cannot be disclosed.

4. Procedure after Announcement of Selection

(1) Application for Contract of Finance

Participants of selected model projects shall submit application documents for Contract of Finance between the participants and GEC within 90 days since their selection was announced. If these documents are not fully developed and not submitted within 90 days, their applied project may be regarded as difficult to be implemented, and the selection may be cancelled.

(2) Conclusion of Contract of Finance

GEC shall examine the contents of the submitted documents (such as technical aspects and projects budget, including supporting documents for the budget), and conclude Contract of Finance with the participants when these documents are appropriately completed. It should be noted by the participants that it will normally take 30 days for the examination by GEC. Hence, participants are recommended to complete their documents at least 30 days before starting their model projects.

(3) Points to be Considered for Starting Model Projects

Starting a model project is possible only after the Contract of Finance is concluded. Participants should note the following points to be considered.

- (a) For the contracts which are necessary to implement the model project between participants and other entities, the date of concluding contracts must be later than the date of concluding

Contract of Finance.

- (b) For the abovementioned contracts, participants should select other entities through competition principle as long as it's applicable.
- (c) For the abovementioned contracts, payments to other entities should be completed by end of each fiscal year.

(4) Changes in Implementation Plans

When significant changes stipulated in the Financing Regulations will occur, participants shall seek an approval of changes in the implementation plan by GEC, and be approved prior to the occurrence of the changes.

(5) Cost

For the cost covered by the model project, participants shall prepare and maintain account books. The books shall separate other costs which are not covered by the model project, and record amount of income, expense and its usage, attached with relevant evidences of such income and expense.

The account books and evidences shall be stored for 5 years after the model project is completed.

(6) Reports to be Submitted and its Review

- (a) Reports by each end of fiscal year
Participants shall submit reports by each end of fiscal year to GEC by 10th April
- (b) Report for completion of model project
Participants shall submit a report for completion of model project within 30 days from the completion of model project, or 10th March of each year. All payments by participants to other entities in line with respective contracts shall be completed by the submission of report for completion of model project.
- (c) Reports on monitoring
Participants shall conduct monitoring to evaluate GHG reductions, and report the results each year. Please refer 2 (1) b. for details.

(7) Reimbursement of Finance

GEC will pay financial support to the representative participants in response to the request for reimbursement submitted by the participants at end of each fiscal year. The request is based on the completed portion of the model project by the end of each fiscal year. GEC will conduct on-site visits for reviewing submitted requests.

(8) Management of Acquired Property

Participants shall prepare a property ledger for the property acquired or gained its value through

the model project (hereinafter referred to as “property”), in order to properly manage such property. When participants plan to use, sell, exchange, lend, pledged as collateral or dispose property (limited to equipment or facility etc. with more than 500,000 JPY) for the purpose other than the model project, participants shall seek an approval by GEC prior to these actions taken for the property. Note that such actions may result in return of finance.

When participants plan to use, sell, exchange or lend property among members of the international consortium in line with the purpose of the model project, participants shall report to GEC prior to these actions taken for the property. In case the property is sold, participants shall not earn profit through the action.

All of the equipment, facility, etc. installed through the model project must have a sticker showing that it is part of the JCM Model Project by MOEJ.

(9) Changes in Members of International Consortium

In case when the name or address of the participants are changed, or the participants are merged with other entities within 5 years from the completion of the model project, the representative participants shall report it to GEC without delay.

(10) Cancellation of Contract of Finance

When participants corresponds to one of the following actions, Contract of Finance may be cancelled fully or partially. Participants shall return whole or part of the received finance.

- (a) Violate relevant Laws, Financing Regulations, or order by GEC
- (b) Use the finance to other purpose that are not relevant to model project
- (c) Act inappropriately
- (d) Need to implement the model project is vanished due to the changes in the circumstances of participants

(11) Penalty for Injustice Acts

When false application, receiving of other subsidy by the Government of Japan, or any violations to other Laws are identified, Contract of Finance may be cancelled and/or return of finance may be ordered.

5. Submission of Proposals

(1) How to Submit Proposals

A complete proposal must be submitted to GEC Tokyo Office in a sealed envelope by registered mail, private courier service or by hand-delivery. Proposals submitted by fax, e-mail or via Internet will be rejected.

(2) Deadline for Submission of Proposals

Monday, 15 May 2017 (12:00 JST)

- * GEC accepts proposals 10:00 - 12:00 and 13:00 - 17:00 (except Saturdays, Sundays and public holidays)

(3) Documents to be Submitted

Following documents must be included in a proposal. If a format is specified, please download the format from the website for this call for proposals (available only in Japanese).

A complete proposal must be submitted in one original and 7 copies, and 1 CD-R containing the electronic version of proposal must also be submitted along with the paper version.

- (a) Form No.1 Application Form
- (b) Form No.2 Declaration by Representative Participant
- (c) Form No.3a Project Implementation Plan
 - * Supporting documents must be included according to the Checklist (Form No. 6).
- (d) Form No.3b Project Idea Note for the Model Project
 - * Without prior notice to a representative participant, this document may be shared with government officials of a partner country where a project will be implemented. Also, we may forward questions from the government officials and request for the answers.
- (e) Form No.4 Budget (including supporting documents, such as quotations, of the budget)
- (f) Company information (such as company brochure) and certificate of incorporation of both representative participant and partner participant(s)
- (g) Financial statement of both representative participant and partner participant(s) (audited, recent 3 consecutive years)
- (h) Draft international consortium agreement and status toward signing the agreement
- (i) Form No.5 Agreement on the Allocation of JCM Credits
 - * Signed agreement must be submitted.
- (j) Form No.6 Checklist for Submission of Proposal
- (k) Other supporting documents

(4) Where to Submit Proposals?

A complete proposal must be submitted to the address below:

Postal address: Global Environment Centre Foundation Tokyo Office
4th Floor Hongo Ozeki Bldg., 3-19-4 Hongo Bunkyo-ku,
Tokyo 113-0033, Japan

(5) Explanatory Meeting

An explanatory meeting on this call for proposals will be held on Tuesday, 11 April 2017 in Tokyo. For more details, please refer to the website for this call.

(6) Questions and Answers

Questions can be submitted to [jcm-sbsd\(at\)gec.jp](mailto:jcm-sbsd(at)gec.jp) by 17:00 JST on Wednesday, 19 April 2017. Questions must be in Japanese, and questions and answers are publicly posted on the website.

6. Treatment of Information

Documents including accounting documents and supporting documents (e.g. invoices, contracts, proof of payments) etc. and electronic data of these documents submitted to GEC in accordance with this Guidelines and Financing Regulations are treated with due care of prudent manager and used only for: evaluation of proposals; conclusion of Contract of Finance; and determination of amount of financial support.

7. Note

(1) Presentations on Model Projects

MOEJ will disseminate information on the overviews and results of the model projects to the world. Therefore, GEC will ask participants to share their photographs of facilities installed by the model projects which can be presented to public. Also, participants are encouraged to present their projects publicly by themselves, and when doing so, participants should explain that the projects are implemented as JCM Model Projects funded by MOEJ.

(2) Other

In addition to this Guidelines, participants to the model project shall conform to the Act on the Regulation of Execution of Budgets Pertaining to Subsidies, etc. (Act No. 179 of 1955), the Order for Enforcement of said Act (Order No.255 of 1955), and Financing Regulations.

Annex 1

別添2 類似技術の分類 各パートナー国における採択実績件数 (Categorization by applied technology type, Number of JCM model project by each country) 7 April 2017

同一の設備補助事業に複数技術を導入する場合はそれぞれ件数をカウントしています。(If one JCM model project applies several technologies, the numbers are counted for each technology)

| | | 補助率 (Percentage of Financial Support) : | | | | | | | | | | | | | | | | | | | | 合計 (Total) |
|---|------------------|---|--|----------|------------|----------|-------|----------|----------|---------|-----------|------------|-------|----------|--------|--------------|-------|---------|----------|------------|----------|---------------|
| 分野 (Sector) | 技術 (Technology) | | JCM方法論 JCM Methodology | モンゴル | バングラデシュ | エチオピア | ケニア | モルディブ | ベトナム | ラオス | インドネシア | コスタリカ | パラオ | カンボジア | メキシコ | サウジアラビア | チリ | ミャンマー | タイ | フィリピン | マレーシア | |
| | | | | Mongolia | Bangladesh | Ethiopia | Kenya | Maldives | Viet Nam | Lao PDR | Indonesia | Costa Rica | Palau | Cambodia | Mexico | Saudi Arabia | Chile | Myanmar | Thailand | Philippine | Malaysia | |
| | | | | MN | BD | ET | KE | MV | VN | LA | ID | CR | PW | KH | MX | SA | CL | MM | TH | PH | MY | |
| 1. 省エネルギー (Energy efficiency) | ボイラ | Boiler | MN_AM002 | 1 | | | | | | | 2 | | | | 1 | | | 2 | 1 | | | 7 |
| | リジェネバーナー | Regenerative Burners | ID_AM009 | | | | | | | | 1 | | | | | | | | | | | 1 |
| | 天然ガス焼成炉 | Gas Fired Furnace | | | | | | | 1 | | | | | | | | | | | | | 1 |
| | 空調機 (エアコン) | Air Conditioning System | VN_AM006 ID_AM004 | | | | | | 2 | | 1 | | | | | | | | 1 | | | 4 |
| | 冷凍機 (空調用) | Chiller | BD_AM001 ID_AM002 | | 2 | | | | 1 | | 4 | 1 | | 1 | | | | | 3 | | | 12 |
| | 冷凍機 (冷蔵・冷凍用) | Refrigerator | ID_AM003 | | | | | | | | 1 | | | | | | | 2 | 3 | | | 6 |
| | 吸収式冷凍機 (廃熱利用) | Absorption Chiller Using Waste Heat | | | 1 | | | | | | | | | | | | | | 1 | | | 2 |
| | 旋回流誘引型成層空調システム | Swirling Induction Type Air-conditioning System | | | | | | | | | | | | | | | | | 1 | | | 1 |
| | 空調制御システム | Air Conditioning Control System | | | | | | | 1 | | | | | | | | | | 1 | | | 2 |
| | ヒートポンプ | Double Bundle-type Heat Pump | ID_AM010 | | | | | | 1 | | 1 | | | | | | | | 1 | | | 3 |
| | 冷蔵・冷凍ショーケース | Fridge and Freezer Showcase | ID_AM008 | | | | | | | | 1 | | | | | | | | 1 | | | 2 |
| | コンプレッサー | Air Compressor | TH_AM002 | | | | | | | | | | | | | | | | 1 | | | 1 |
| | 織機 | Loom | ID_AM011 | | 1 | | | | | | 2 | | | | | | | | 1 | | | 4 |
| | 段ボール古紙処理設備 | Old Corrugated Cartons Process | ID_AM012 | | | | | | | | 1 | | | | | | | | | | | 1 |
| | 電槽化成設備 | Battery Case Forming Device | | | | | | | 1 | | | | | | | | | | | | | 1 |
| | 食塩電解槽 | Electrolyzer in Chlorine Production | | | | | | | | | | | | | | 1 | | | 1 | | | 2 |
| | 変圧器 | Transformer | VN_AM005 | | | | | | 3 | | | | | | | | | | | | | 3 |
| | LED照明 | LED Lighting | ID_AM005 | | | | | | | | 2 | | | | | | | | 1 | | | 3 |
| | LED街路灯(調光システム含む) | LED Street Lighting with Dimming System | KH_AM001 | | | | | | | | 1 | | | 1 | | | | | | | | 2 |
| | ポンプ | Pump | | | | | | | 1 | | | | | | | | | | | | | 1 |
| | ポンプ制御用インバーター | Frequency Inverter for Pump | | | | | | | | | | | | 1 | | | | | | | | 1 |
| | 曝気システム | Aeration System | | | | | | | | | 1 | | | | | | | | | | | 1 |
| | 排熱回収温水器 | Water Heater Using Exhaust Heat | | | | | | | | | | 1 | | | | | | | | | | 1 |
| | 排熱回収システム | Exhaust Heat Recovery | | | | | | | | | | | | | | | | 1 | | | | 1 |
| | ワイヤー撚り線機 | Wire Stranding Machines | | | | | | | 1 | | | | | | | | | | | | | 1 |
| | 自己蒸気機械圧縮型濃縮機 | Evaporator with Mechanical Vapor Recompression | | | | | | | | | | | | | | | | | 1 | | | 1 |
| 2. エネルギー生産 (Energy industries (renewable-/non renewable sources)) | 太陽光発電 | Solar Power Plant | MN_AM003 KE_AM002 MV_AM001 PW_AM001 KH_AM002 TH_AM001 | 3 | 2 | | 1 | 1 | 1 | | 2 | 1 | 3 | 3 | | | 1 | | 5 | | 1 | 24 |
| | 太陽光発電+蓄電池 | Solar Power Plant with Battery | | | | | | | | | 1 | | | | | | | | | | | 1 |
| | 小水力発電 | Small Hydropower Plant | KE_AM003 | | | | 1 | | | | 1 | | | | | | | | | | | 2 |
| | 廃熱利用発電 | Power Generation by Waste Heat Recovery | ID_AM001 | | | | | | | | 1 | | | | | | | | 1 | | | 2 |
| | バイオマス発電 | Biomass Power Plant | | | | | | | | | | | | | | | | 1 | | | | 1 |
| | ガスコジェネレーション | Gas Co-generation | | | | | | | | | 1 | | | | | | | | 2 | | | 3 |
| 3. 廃棄物 (Waste handling and disposal) | バイオマスコジェネレーション | Biomass Co-generation | | | | 1 | | | | | | | | | | | | | | | | 1 |
| | 廃棄物発電 | Waste-to-Energy Plant | | | | | | | | | | | | | | | | 1 | | | | 1 |
| 4. 交通 (Transportation) | メタン回収発電 | Power Generation by Methane Recovery | | | | | | | | | | | | | 1 | | | | | | | 1 |
| | デジタルタコグラフ | Digital Tachograph System | VN_AM001 | | | | | | 1 | | | | | | | | | | | | | 1 |
| 合計 (Total) | | 技術の件数(Number of technology) : 36件 | 24 | 4 | 6 | 1 | 2 | 1 | 14 | 0 | 24 | 3 | 3 | 6 | 2 | 1 | 1 | 7 | 26 | 0 | 1 | 102 |

Annex 2

Evaluation Criteria for Selecting JCM Model Projects in FY2017

(Tentative translation)

April 2017

Global Environment Centre Foundation

1. INTRODUCTION

In order to select JCM Model Projects (hereinafter referred to as “model projects”) in fair and transparent way, the Global Environment Centre Foundation (GEC) called an external committee and established this evaluation criteria, which was approved by the committee.

Based on this set of criteria, GEC will consult with the Ministry of the Environment, Japan, and select model projects with consideration of technological distributions etc.

2. PURPOSE OF MODEL PROJECT

The purpose of model projects is to financially support the implementation of projects (including collaboration with projects supported by the Japan International Cooperation Agency (JICA) and other government-affiliated financial institution) which reduce GHG emissions by utilizing leading low carbon technologies in developing countries, and in return seeks to acquire JCM credits for achievement of Japan’s GHG emission reduction target.

3. OVERVIEW OF CRITERIA

Proposals for model projects will be reviewed based on the following criteria. Hearings are conducted for applicants who satisfy all the eligibility criteria.

A. Eligibility Review

A proposal will be reviewed whether it meets the following eligibility criteria. When all of these eligibility criteria are met, the proposal will proceed to the “B. Assessment Review.” If any of these eligibility criteria is not met, the application will be rejected.

- 1) Does the applicant meet the criteria for an eligible participant?

The applicant shall meet 2.(4) in the “Guidelines for Submitting Proposals”.

- 2) Is the model project expected to reduce emissions of energy-related CO₂ and GHG through JCM?

The technology applied in the project shall reduce emissions of energy-related CO₂, that means:

- Amount of emission reductions can be quantitatively calculated;
- The emission reductions are not result of decreased activities, such as lower production; and
- The emission reductions from the project can be clearly separated from the emission reductions by other factors that may influence the emissions.

- 3) Can the technology be introduced in the country where the model project is implemented (hereinafter referred to as “partner country”), while the technology is internationally in practical use, but not adequately utilized in the partner country yet?
 - The technology should be realized in other project(s) in commercial operation (certificates etc. will be reviewed); or
 - The facility or equipment using the technology should be commercially manufactured (Catalogues, specification etc. will be reviewed.).
- 4) Can the applicant objectively show the superiority of the technology introduced in the model project?
 - The evidence of its superiority, such as catalogue or literature should be present.
 - The technology should demonstrate high performance in terms of energy savings, etc. specified in a standard of the partner country.
- 5) Does the model project contribute to the sustainable development in the partner country?
 - The installation and operation of the facility/equipment shall comply with the environmental laws and regulations of the partner country and international practices and guidelines regarding the environmental protection (air pollution, water contamination, waste treatment, noise/vibration, ecosystem etc.).
 - In case the model project is going to introduce a similar technology, the project shall meet the eligibility criteria of approved JCM methodologies for the similar technology of both the partner country in which the project will be implemented and other partner countries.
 - The model project should contribute to the sustainable development of the partner country.
- 6) Is the expense for the model project appropriately estimated?
 - The expense should be estimated using the same or similar project implemented in the past; or
 - The expense should be based on the actual design and specification.
 - The evidence for estimation of personnel expense and travel cost is clear and appropriate.
- 7) Does the model project contribute to the climate change mitigation in collaboration with JICA or other government-affiliated financial institution? (for the collaboration

project with JICA etc. only)

- The model project shall reduce energy-related CO₂, while collaborating with either a project of which an agreement of equity participation or loan agreement has been signed with JICA or other government-affiliated financial institution or a project which is going to apply for such financial support.
- 8) The facility/equipment introduced by the model project shall not receive any other financial support or grant from the Government of Japan.

B. Assessment Review

After passing the eligibility review, the proposal will be reviewed and scored using the following assessment criteria. The project in the following countries which have already established the JCM will be prioritized (as of 7 April 2017):

Mongolia, Bangladesh, Ethiopia, Kenya, Maldives, Vietnam, Laos, Indonesia, Costa Rica, Palau, Cambodia, Mexico, Saudi Arabia, Chile, Myanmar, Thailand and Philippines

- i. Robustness of the project implementation (40 points)
 - 1) Management and operational capacities of a representative participant and partner participant(s) to implement the project (10 points)
 - 2) Appropriateness of the project plan (including the schedule, decisions for the project location, concession and license for the project implementation, and status of concluding a Power Purchase Agreement in case of a power generation project) and financial plan (including the actual amount of investment by each participants and certainty of financing arrangements) (10 points)
 - 3) Profitability of the project, including economic performance, forecast of cash flow and payback period (For a tentative indicator, the payback period is preferred to be 3 years or longer with the financial support.) (10 points)
 - 4) Status of the project implementation structure (including the decision on financing arrangements and roles of each entity in the international consortium) (10 points)
- ii. Amount of emission reductions of energy-related CO₂, and cost-effectiveness of emission reductions of CO₂ and GHG (40 points)

Cost-effectiveness of financial support necessary to reduce 1 ton of CO₂ and GHG emissions

will be evaluated. In principle, cost-effectiveness of GHG emission reductions is expected to be 4,000 JPY/tCO₂ or better for all the model projects.

1) Emission reductions of energy-related CO₂ (15 points)

Total emission reductions [tCO₂]

= energy-related CO₂ emission reductions per year [tCO₂/y] × legal durable years of the facility/equipment as stipulated in the Japanese law [y]

2) Cost-effectiveness of emission reductions of energy-related CO₂ in terms of financial support (5 points)

Cost for emission reductions [JPY/tCO₂]

$$= \frac{\text{Amount of financial support [JPY]}}{\text{Emission reductions of energy-related CO}_2 \text{ (tCO}_2\text{/y)} \times \text{legal durable years [y]}}$$

3) Cost-effectiveness of emission reductions of GHG in terms of financial support (20 points)

Cost for emission reductions [JPY/tCO₂ equivalent]

$$= \frac{\text{Amount of financial support [JPY]}}{\text{Emission reductions of GHG (tCO}_2\text{equivalent/y)} \times \text{legal durable years [y]}}$$

Above calculations should be performed in a rational way, such as using an approved JCM methodology or result obtained from a feasibility study. Also, refer to the relevant Japanese law for legal durable years.

iii. Potential of the dissemination of the technology (10 points)

- Size of the market for the technology in the partner country and effect of the project on the market
- Possibility of the technology used in the model project to be diffused in the partner country without financial support in future.
- Consistency in relation to the partner country's relevant policy
- System for supporting the entities in the partner country during the installation and operation of the facility/equipment

iv. Concept for developing JCM methodology and its developing status (10 points)

Eligibility criteria, calculation of reference emissions, calculation of project emissions, and appropriateness of monitoring procedures and structure will be reviewed.