OPERATIONAL MANUAL

for

Joint Crediting Mechanism

between

the Government of the Republic of India

and

the Government of Japan

Version 1.0
(September 2026)

Table of Contents

List of Abbreviations 5

A. INTRODUCTION 8

A.1. About India-Japan JCM 8

A.2. Definition and Scope of the JCM 8

A.3. Use and Application of JCM Credits 8

A.4. Relationship with Article 6 of the Paris Agreement 8

B. KEY DEFINITIONS 10

C. GOVERNANCE AND STAKEHOLDERS 12

C.1. Governing and Supporting Documents 12

C.1.1. Memorandum of Cooperation (MoC) 12

C.1.2. Rule of Implementation (RoI) 12

C.1.3. Operational Manual 12

C.2. Stakeholders Involved 13

C.2.1. Governments of India and Japan 13

C.2.2. Secretariat 13

C.2.2.1. Indian Secretariat for the JCM 13

C.2.2.2. Japanese Secretariat for the JCM 13

C.2.3. Joint Committee 13

C.2.3.1. Co-Chairs of the Joint Committee 14

C.2.4. External Experts 15

C.2.5. Project Participants 15

C.2.6. Third-Party Entities 16

C.2.6.1. Guidelines for Designation as a Third-Party Entity 16

C.2.6.2. Fee payable for registration as Third-Party Entity under JCM 21

D. PROJECTS UNDER INDIA-JAPAN JCM 22

D.1. Eligibility of Project Activities under India-Japan JCM 22

D.2. Calculation and Sharing of JCM Credits 22

D.3. Crediting Period 23

E. PROJECT CYCLE PROCEDURES 24

E.1. Proposing a Project 24

E.1.1. Project Idea Note (PIN) 24

E.1.1.1. Submission of a PIN by a Project Participant 24

E.1.1.2. Processing of the PIN by the Secretariat 24

E.1.1.3. Approval by the Government of the Republic of India and the Government of Japan 24
E.1.1.4. Adoption of Decision by Joint Committee 24
E.2. Proposing a Methodology under JCM 26
E.2.1. Methodology 26
E.2.1.1. Guidelines for developing Methodology 26
E.2.1.2. Submission of Methodology by a Methodology Proponent 28
E.2.1.3. Receiving Public Inputs on the proposed Methodology 28
E.2.1.4. Processing of the proposed methodology by the Secretariat 28
E.2.1.5. Approval by the Government of the Republic of India and the Government of Japan 29
E.2.1.6. Adoption of Decision by Joint Committee 29
E.3. Preparatory Activities for Authorization of Project Participants 30
E.4. Registering a Project under JCM 31
E.4.1. Project Design Document (PDD) 31
E.4.1.1. Guidelines for developing PDD 31
E.4.1.2. Submission of PDD by a Project Participant 35
E.4.1.3. Processing of PDD by the Secretariat 36
E.4.1.4. Receiving Public Inputs on proposed PDD 36
E.4.1.5. Validation of PDD by Third-Party Entity 37
E.4.2. Sustainable Development Implementation Plan (SDIP) 38
E.4.2.1. Guidelines for developing SDIP 38
E.4.2.2. Submission of SDIP by a Project Participant 38
E.4.2.3. Receiving Public Inputs on proposed SDIP 39
E.4.2.4. Assessment by the Secretariat 40
E.4.2.5. Finalization of SDIP 40
E.4.3. Review of Project Documents for Registration under JCM 40
E.4.3.1. Submission of Project Documents for Registration by Project Participant 40
E.4.3.2. Processing of the project registration request by the Secretariat 41
E.4.3.3. Approval by the Government of the Republic of India and the Government of Japan 41
E.4.3.4. Adoption of Decision by Joint Committee 42
E.4.4. Registration of Project under JCM 42
E.4.4.1. Issuance of Letter of Intent for the Project 42
E.4.4.2. Opening of Indian Project Participant(s)' account on the India's Article 6 Registry 42

E.4.4.3. Opening of Japanese Project Participant(s)' account on the registry of Japan 42
E.5. Implementation of Project registered under JCM 43
E.5.1. Changes to Credit Allocation 43
E.6. Issuance of JCM Credits 44
E.6.1. Monitoring Report 44
E.6.1.1. Guidelines for developing Monitoring Report 44
E.6.1.2. Verification of Monitoring Report by Third-Party Entity 49
E.6.2. Sustainable Development Implementation Report (SDIR) 50
E.6.2.1. Guidelines for developing SDIR 50
E.6.2.2. Submission of SDIR by a Project Participant 50
E.6.2.3. Assessment by the Secretariat 51
E.6.3. Review of Project Documents for Issuing JCM Credits 52
E.6.3.1. Submission of Project Documents by Project Participant Issuing JCM Credits 52
E.6.3.2. Processing by the Secretariat 52
E.6.3.3. Approval by the Government of the Republic of India and the Government of Japan 53
E.6.3.4. Adoption of Decision by Joint Committee 53
E.6.4. Issuance of JCM Credits 54
E.6.5. Authorization of Japan's Share of JCM Credits 54
E.6.5.1. Submission of Initial Report and Letter of Authorization for the JCM to the UNFCCC Secretariat by India and Japan respectively 54
E.6.5.2. Issuance of Letter of Authorization by India and Japan for Japan's Share of JCM Credits 54
E.6.5.3. Corresponding Adjustments by India and Japan consistent with the guidance on Article 6 of the Paris Agreement 55
E.7. Renewal of Crediting Period 56
E.7.1. Assessment of validity of reference emissions of the applied methodology 56
E.7.2. Validation of updated PDD for renewal of crediting period 57
E.7.3. Submission of request for renewal of crediting period 57
E.7.4. Review of request by Indian and Japanese Secretariats 57
E.7.5. Approval by the Government of the Republic of India and the Government of Japan 57
E.7.6. Adoption of Decision by Joint Committee 58
E.8. Project Modification and Withdrawal 59
E.9. Fees Payable at various stages of the Project Cycle 63

F. MONITORING AND REVIEW OF THE JOINT CREDITING MECHANISM 64

F.1. Review of Project Implementation under the JCM 64

F.2. Monitoring Use of JCM Credits by Indian and Japanese Entities 64

F.3. Review of Consistency in Reporting of JCM and Corresponding Adjustments to the UNFCCC Secretariat by Indian and Japanese Governments 64

F.4. Reconciliation of Indian and Japanese registries 64

Annexure-1: Guidelines for Third Party Entities for Project Validation and Verification 65

1.1. Guidelines for Third Party Entities for Project Validation 65

1.2. Guidelines for Third Party Entities for Project Verification 75

Annexure-2: Forms 83

2.1. Project Idea Note (PIN) Form 83

2.2. Proposed Methodology Form 92

2.3. Proposed Methodology Spreadsheet 99

2.4. Project Design Document (PDD) Form 105

2.5. Monitoring Plan Sheet 125

2.6. Monitoring Structure Sheet 132

2.7. Monitoring Report Sheet 133

2.8. Sustainable Development Implementation Plan (SDIP) Form 140

2.9. Sustainable Development Implementation Report (SDIR) Form 148

2.10. Modalities of Communication Statement Form 158

2.11. Assessment of Reference Emissions Request Form 167

2.12. Validation Report Form 168

2.13. Project Registration Request Form 179

2.14. Project Implementation Report Form 181

2.15. Verification Report Form 185

2.16. Credit Allocation Form 195

2.17. Credits Issuance Request Form 211

2.18. Renewal of Crediting Period Request Form 216

2.19. Approved Methodology Revision Request Form 218

2.20. Post-Registration Change Request Form 220

2.21. Registration Request Withdrawal Form 223

2.22. Project Withdrawal Request Form 224

2.23. Issuance Request Withdrawal Form 225

2.24. Application Form for Registration as a Third-Party Entity 227

List of Abbreviations

₹	Indian Rupee
BAU	Business As Usual
CAPEX	Capital Expenditure
CAR	Corrective Action Request
CARP	Centralized Accounting and Reporting Platform
CBG	Compressed Biogas
CDM	Clean Development Mechanism
CH4	Methane
CL	Clarification
CO2	Carbon Dioxide
Cr	Crores
dd/mm/yyyy	Format for Date, for example 2nd November 2026 will be written as 02/11/2026
DDR	Desk/Document Review
DFI	Development Finance Institution
DOE	Designated Operational Entity
DSCR	Debt Service Coverage Ratio
EI	External Individuals
EIA	Environmental Impact Assessment
EPC	Engineering, Procurement and Construction
ER	Emission Reductions/Removals
FAR	Forward Action Request
GHG	Greenhouse Gas
H_2	Hydrogen
HFCs	Hydrofluorocarbons
I	Interviews
IAF	International Accreditation Forum

ICM	Indian Carbon Market
INR	Indian Rupee
IPCC	Intergovernmental Panel on Climate Change
IR	Internal Resource
IRR	Internal Rate of Return
ISO	International Organization for Standardization
ITMO	Internationally Transferred Mitigation Outcome
JCM	Joint Crediting Mechanism between India and Japan
JCMA	Joint Crediting Mechanism Implementation Agency
JPY	Japanese Yen
Kg	Kilogram
LT-LEDS	Long-Term Low Emission Development Strategy
MoC	Memorandum of Cooperation
MoEFCC	Ministry of Environment, Forest and Climate Change, Government of the Republic of India
MoSPI	Ministry of Statistics and Programme Implementation, Government of the Republic of India
MOU	Memorandum of Understanding
MRV	Monitoring, Reporting and Verification
MWh	Megawatt-hour
N2O	Nitrous Oxide
NABCB	National Accreditation Board for Certification Bodies
NABL	National Accreditation Board for Testing and Calibration Laboratories
NDC	Nationally Determined Contribution
NF3	Nitrogen Trifluoride
NPV	Net Present Value
OIMP	Other international mitigation purposes
OPEX	Operational Expenditure

OR	Outsourced Resource
OSI	On-site Inspection
P	Time Period
PDD	Project Design Document
PE	Project Emissions
PFCs	Perfluorocarbons
PIN	Project Idea Note
QA	Quality Assurance
QC	Quality Control
RE	Reference Emissions
REC	Renewable Energy Certificate
RoI	Rule of Implementation
SD	Sustainable Development
SDG	Sustainable Development Goal
SDIP	Sustainable Development Implementation Plan
SDIR	Sustainable Development Implementation Report
SF6	Sulphur Hexafluoride
TPE	Third-Party Entity
TRL	Technology Readiness Level
UNFCCC	United Nations Framework Convention on Climate Change
URL	Uniform Resource Locator
USD	United States Dollar
VF	Validation Findings
WACC	Weighted Average Cost of Capital
yr	Year

A. INTRODUCTION

A.1. About India-Japan JCM

1. The Joint Crediting Mechanism (JCM) is a bilateral initiative launched by the Government of Japan in 2013 to facilitate GHG emission reductions in collaboration with partner countries.

2. The India-Japan JCM is a cooperative approach consistent with Article 6, paragraph 2 of the Paris Agreement which aims to facilitate the transfer of decarbonizing technologies, systems, and infrastructure from Japan to India and enable the achievement of Nationally Determined Contributions (NDCs) of both countries under the Paris Agreement.

3. The Government of the Republic of India signed a Memorandum of Cooperation with the Government of Japan for Joint Crediting Mechanism on 7th August 2025.

4. The Government of the Republic of India and Government of Japan adopted the Rule of Implementation (RoI) for Joint Crediting Mechanism on 8th June 2026.

A.2. Definition and Scope of the JCM

5. The JCM is a cooperative approach where the Government of Japan and Japanese public/private entities cooperate with the Government of the Republic of India and Indian public/private entities to implement mitigation activities in India.

A.3. Use and Application of JCM Credits

6. A part of the JCM credits may be used as ITMOs towards the achievement of Japan's NDC and/or other international mitigation purposes, and the rest of the said JCM credits may contribute to the achievement of India's NDC and/or be used as ITMOs towards other international mitigation purposes, while ensuring that double counting is avoided on the basis of corresponding adjustments.

A.4. Relationship with Article 6 of the Paris Agreement

7. Each government authorizes the JCM credits to be transferred as ITMOs for the use toward the achievement of Japan's NDC and/or for the use towards other international mitigation purpose, consistent with the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement (hereinafter referred to as "the guidance").

8. Such authorization described in the preceding paragraph is made at the time of issuance of the JCM credits for Japan's share of JCM credits.
9. The Government of the Republic of India applies corresponding adjustments to the JCM credits issued in the JCM registry of Japan as well as the JCM credits issued in the registry of India that are authorized for the use toward other international mitigation purposes, consistent with the guidance.
10. Each government checks the status of the issuance and use of JCM credits and makes sure that double counting is avoided.

B. KEY DEFINITIONS

11. “Authorization” is defined by the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement.

12. “Business-as-Usual Emissions” (hereinafter referred to as “BaU emissions”) refers to plausible expected emissions in providing the same outputs or service level of the proposed JCM project in the host country if the JCM project had not been carried out and the equipment and facilities commonly used at the start of the project would be continuously used.

13. “Corrective Action Request (CAR)” is raised by the Secretariat or a TPE if one of the following situations occurs:

    a. Mistakes have been made by the Project Participants in the documents submitted;

    b. The applicable JCM guidelines and requirements have not been met;

    c. There is a risk that emission reductions or removals cannot be monitored or calculated.

14. “Corresponding Adjustment” is defined by the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement.

15. “Clarification Request (CL)” is raised by the Secretariat or a TPE if the information provided by the Project Participants is insufficient or not clear enough to determine whether the applicable JCM guidelines and requirements have been met.

16. “Crediting Period” is the period in which verified mitigation outcomes attributable to a JCM project, as applicable, may result in the issuance of credits from that JCM project.

17. “Forward Action Request (FAR)” is raised by the Secretariat or a TPE, if issues related to project implementation that require review at the time of first and subsequent verifications of the project are identified after project validation. FAR is not raised for issues which can be resolved before verification.

18. “Greenhouse Gases” (hereinafter referred to as “GHGs”) covered under the JCM are carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF6), and nitrogen trifluoride (NF3).

19. “Internationally Transferred Mitigation Outcome” (hereinafter referred to as “ITMO”) is defined by the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement.

20. “JCM credits” refer to mitigation outcomes which are measured in metric tonnes of carbon dioxide equivalent (tCO2eq) in line with the methodologies and metrics assessed by the Intergovernmental Panel on Climate Change and issued in respect of quantified and verified mitigation outcomes achieved by Project Participants during the implementation of GHG mitigation project activities under the JCM between India and Japan.
21. “JCM project” refers to a GHG mitigation project activity under the JCM between India and Japan.
22. “Lead Project Participant” refers to the Project Participant responsible for the submission of project-related documents on India’s Article 6 portal and all communications related to the project with the Secretariat.
23. “Mitigation outcomes” refer to the quantified results of actions that reduce greenhouse gas emissions or enhance removals, which are to be calculated, issued, authorized, and shared in line with Article 6 of Paris Agreement.
24. “Nationally Determined Contribution” (hereinafter referred to as "NDC") refers to contribution that a party to the Paris Agreement prepares and communicates to the Secretariat of the United Nations Framework Convention on Climate Change, and maintains in line with Article 4, paragraph 2 of the Paris Agreement.
25. “Other international mitigation purposes” (hereinafter referred to as "OIMP") are defined by the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement.
26. “Project Emissions” refers to the actual amount of GHGs emitted once the project has been implemented.
27. “Project Participant” refers to a government, private entity and/or public entity participating in a project under JCM.
28. “Reference Emissions” refers to emissions as specified in JCM methodologies and applied to JCM projects for calculating JCM Credits.
29. “Registry” refers to a carbon credit registry system administered by a government.

C. GOVERNANCE AND STAKEHOLDERS

C.1. Governing and Supporting Documents

C.1.1. Memorandum of Cooperation (MoC)

30. The Government of the Republic of India and the Government of Japan signed a Memorandum of Cooperation (MoC) on the Joint Crediting Mechanism on 7th August 2025.

C.1.2. Rule of Implementation (RoI)

31. The Government of the Republic of India and Government of Japan adopted the Rule of Implementation (RoI) for Joint Crediting Mechanism on 8th June 2026.

32. RoI establishes a mutually consented structure for effective cooperation under the JCM based on the MoC.

33. RoI serves as a guidance for the Joint Committee under the JCM and provides key definitions and scope of the JCM, as well as the roles and responsibilities of the Joint Committee, the Government of the Republic of India and the Government of Japan, Project Participants, and third-party entities.

34. RoI provides an outline of the procedures of the JCM project cycle - from the submission of the Project Idea Note (PIN) to project registration and credit issuance.

C.1.3. Operational Manual

35. The Operational Manual provides detailed guidelines and procedures for the Joint Crediting Mechanism between India and Japan based on the Memorandum of Cooperation and Rule of Implementation.

36. The Operational Manual is developed and adopted by the Secretariat with prior approval of both Government of the Republic of India and Government of Japan.

37. If substantial revisions are required, the Operational Manual can be revised by the Secretariat with prior approval of both Government of the Republic of India and Government of Japan.

38. Revisions in the Rule of Implementation (RoI) may imply revisions in the Operational Manual.

C.2. Stakeholders Involved

C.2.1. Governments of India and Japan

39. Each government takes necessary measures to ensure transparency in the implementation of the JCM.

40. Any mitigation outcomes for which JCM credits have been issued may not be issued with credits under any other crediting mechanism.

41. Each government establishes and maintains a registry in line with the RoI, the guidance on Article 6 of the Paris Agreement, and relevant domestic laws and regulations in their respective countries, for issuing JCM Credits and managing their transactions.

42. Each government promptly informs the Joint Committee of the issuance of JCM credits.

C.2.2. Secretariat

43. The Secretariat serves the Joint Committee by performing the work for the implementation of the JCM. The term 'Secretariat' refers to both Indian Secretariat and Japanese Secretariat, unless specified in this document.

C.2.2.1. Indian Secretariat for the JCM

44. Indian Secretariat for the JCM is hosted by the Ministry of Environment, Forest and Climate Change (MoEFCC), the Government of the Republic of India.

C.2.2.2. Japanese Secretariat for the JCM

45. Japanese Secretariat for the JCM is hosted by JCM Implementation Agency (JCMA) designated by the Government of Japan.

C.2.3. Joint Committee

46. Both governments establish the Joint Committee which consists of the representatives from both governments.

47. Each government designates members of the Joint Committee from the respective government and notifies the other government of this designation in writing. Members of the Joint Committee designated by each government may not exceed 10. Members may be increased, decreased, or changed as long as they stay within the allowed number, at any time with prior written notification by both governments.

48. Members of the Joint Committee have no personal or direct financial interest in any matter under consideration by the Joint Committee.

49. Members of the Joint Committee, and the Secretariat or any other bodies or persons who may assist the Joint Committee respect the confidentiality of all confidential information acquired in their position and not make improper use of or disclose such confidential information to third parties.

50. The Joint Committee develops, where necessary, reports on the status of the implementation of the JCM and discusses issues related to the operation and management of the JCM.

51. Any organizations or individuals that are not a part of the Indian or Japanese Government, who participate in the Joint Committee meeting or conference calls declare before their participation that they have no current professional, financial or other interest which could: i) significantly impair their objectivity in carrying out their duties for the Joint Committee, or ii) create an unfair advantage for them. Circumstances that could lead a reasonable person to question an individual's or organization's objectivity or lead to an unfair advantage for such individuals or organizations, constitute a potential conflict of interest.

C.2.3.1. Co-Chairs of the Joint Committee

52. The Joint Committee has two Co-Chairs to be appointed by each government upon notification to each other, with one of the Co-Chairs appointed by the Government of the Republic of India and the other appointed by the Government of Japan, respectively. In case a Co-Chair resigns, the government which appointed the outgoing Co-Chair, appoints his or her replacement.

53. Each Co-Chair may designate an alternate from members of the Joint Committee from each government to perform the function of the Co-Chair in their absence. Such designation is distributed electronically or otherwise, in written form.

54. The Co-Chairs give notice of the date of each meeting prior to the date of the meeting.

55. The Co-Chairs provide the agenda of each meeting prior to the date of the meeting, and final draft of documents for the meeting prior to the date of the meeting.

56. The Joint Committee takes a decision with the prior approval of the Government of the Republic of India and Government of Japan.

57. An alternate of each member of the Joint Committee from the respective government may attend the meetings of the Joint Committee to perform the function of the member of the Joint Committee. Such substitution is informed by electronic means or otherwise in written form prior to the concerned meeting.

58. Meetings of the Joint Committee may be open to observers approved by both governments, except where otherwise decided by the Joint Committee. Observers may make presentations upon request by the Co-Chairs during the meeting.

59. The Joint Committee may adopt decisions by electronic means provided that the following procedure is followed:

    a. The proposed decisions are communicated by the Secretariat to all members of the Joint Committee by electronic means.

    b. The proposed decisions are deemed as adopted when,

        i. no member of the Joint Committee has made an objection by electronic means within 7 calendar days after communication of the proposed decisions, or

        ii. all members of the Joint Committee have provided their affirmative confirmation by electronic means.

60. If an objection is made by one of the members of the Joint Committee, the Co-Chairs take into account the opinion of the member and take appropriate actions.

61. The Joint Committee may hold conference calls to assist in making decisions by electronic means.

62. Working language of the Joint Committee is English.

C.2.4. External Experts

63. The Joint Committee may decide to appoint external experts to assist part of its work on a case-by-case basis.

C.2.5. Project Participants

64. Project participants:

    a. prepare a Project Idea Note (PIN) and submit it to the Joint Committee through the Secretariat for its decision;

    b. where applicable, prepare a draft methodology and submit it to the Joint Committee through the Secretariat for its approval;

    c. prepare a draft PDD and submit it to a third-party entity for validation and to the Secretariat for public inputs;

    d. prepare an SDIP and submit it to the Secretariat for review;

e. submit the PDD that was validated by the third-party entity, the JCM Credit Allocation Form and positively reviewed SDIP to the Joint Committee through the Secretariat for registration of the JCM project;

f. implement the JCM project and conduct monitoring in line with the PDD;

g. prepare a project implementation report and submit it to the Joint Committee through the Secretariat annually until the end of the project's crediting period under JCM;

h. prepare a monitoring report and send the report to a third-party entity for verification;

i. prepare an SDIR for each monitoring period and submit it to the Secretariat for evaluation;

j. submit a verification report prepared by the third-party entity and SDIR which is positively evaluated by the Secretariat to the Joint Committee, and request issuance of JCM credits.

C.2.6. Third-Party Entities

65. A third-party entity that is designated by the Joint Committee:

a. On the basis of requests from Project Participants, validates the project as described in a PDD prepared by the Project Participants, in line with the guidelines for the validation [Annexure-1.1], and informs the Project Participants of the validation result.

b. On the basis of requests from Project Participants, verifies GHG emission reductions or removals achieved by the JCM project as described in the monitoring report prepared by the Project Participants, in line with the guidelines for the verification of GHG emission reductions or removals [Annexure-1.2], records the verification result in a verification report and sends the report to the Project Participants.

C.2.6.1. Guidelines for Designation as a Third-Party Entity

66. To be designated as a TPE, a candidate entity fulfils all requirements listed in paragraphs 67 and 68 below.

67. Candidate entities are either:

a. Entities accredited under ISO 14065 by an accreditation body that is a member of the International Accreditation Forum (hereinafter referred to as "IAF") based on ISO 14064-2;

b. Entities accredited with the Indian Carbon Market (ICM) and accredited by the National Accreditation Board for Certification Bodies (NABCB); or

c. Designated Operational Entities (hereinafter referred to as “DOEs”) or operational entities accredited by the Executive Board under the Clean Development Mechanism (hereinafter referred to as “CDM”) and/or by the Supervisory Body under the Paris Agreement Crediting Mechanism (Article 6.4 mechanism of the Paris Agreement).

68. Candidate entities have sufficient knowledge of the JCM between India and Japan including all applicable rules and guidelines of the JCM.

69. A candidate entity submits the Application Form for Registration as a Third-Party Entity [Annexure-2.24] in this manual to the Joint Committee through the Secretariat.

70. When a TPE wishes to be registered under the JCM for additional sectoral scopes, the TPE submits the application form [Annexure-2.24] and seeks its registration for those sectoral scopes.

71. The Joint Committee adopts the decision to designate the candidate entity as a TPE or reject the application. The Secretariat registers the TPE.

72. When the Joint Committee designates the candidate entity as a TPE under the JCM, applicable sectoral scopes under the JCM for the TPE are decided on the basis of:

    a. In case the candidate entities are accredited under ISO 14065, sectoral competence of the candidate entities as described in their application;

    b. In case the candidate entities are accredited with Indian Carbon Market and accredited by NABCB, sectoral scope of the candidate entities in the Indian Carbon Market; and

    c. In case the candidate entities are designated/accredited under the CDM and/or the Article 6.4 mechanism, the sectoral scopes identical to those under the CDM and/or the Article 6.4 mechanism, unless otherwise decided by the Joint Committee.

73. The Secretariat notifies the result of the above decision to the candidate entity and makes the relevant information of the registered TPE and the sectoral scopes publicly available through India’s Article 6 portal and the JCM website.

74. When the TPE changes its contact details, the TPE notifies the Secretariat of such changes by electronic means immediately.

75. The registration of a TPE is suspended or withdrawn for some or all sectoral scopes under the following conditions:

    a. When the Joint Committee decides that the TPE no longer complies with the applicable JCM rules and guidelines following the review conducted by the Joint Committee;

    b. When the status of the TPE changes regarding accreditation as mentioned under Paragraph-67

    c. When the TPE voluntarily withdraws its registration status under the JCM.

76. Procedures for suspension or withdrawal of a TPE are as follows:

    a. The Joint Committee may conduct a review on whether a TPE continues to comply with the applicable JCM rules and guidelines. Such review may include on-site visits to evaluate the performance of a TPE. The Joint Committee may decide to appoint external experts or organizations which assist part of its work regarding the review.

    b. If the Joint Committee has carried out a review and found that the TPE no longer complies with the applicable JCM rules and guidelines, the Joint Committee decides on whether to suspend or withdraw the registration of the TPE for some or all sectoral scopes, but only after the TPE is given the opportunity to provide necessary justification or evidence as may be applicable. The suspension or withdrawal immediately commences on the date when the decision is taken by the Joint Committee.

77. Procedures for suspension or withdrawal due to changes in the status of the TPE regarding accreditation or designation under Paragraph 67 are as follows:

    a. For a TPE accredited or designated only under one sub-paragraph of Paragraph 67, when its accreditation or designation under that sub-paragraph is suspended or withdrawn for some or all sectoral scopes with effect from a particular date, the registration of the TPE under JCM for the corresponding sectoral scopes is also suspended or withdrawn with effect from the same date.

    b. For a TPE accredited or designated under more than one sub-paragraph of Paragraph 67, when its accreditation or designation under one or more sub-paragraph is,

        i. Suspended for some or all sectoral scopes, the status of registration of the TPE under JCM for the corresponding sectoral scopes is decided by the Joint Committee.

ii. Withdrawn for some or all sectoral scopes, the status of registration of the TPE under JCM is maintained for the sectoral scopes for which the TPE continues its accreditation or designation under any of the sub-paragraphs of Paragraph 67.

c. In case the status of the TPE falls under the conditions described in sub-paragraphs (a) and (b) above, the TPE notifies the Joint Committee of such status without delay.

78. Procedures for voluntary withdrawal by a TPE are as follows:

a. A TPE may withdraw its registration status for some or all sectoral scopes by submitting a letter through electronic means on India's Article 6 portal or the JCM website, to the Joint Committee indicating the following:

i. Name of the TPE with the signature of its authorized representative;

ii. Sectoral scopes that the TPE wishes to withdraw; and

iii. Date when the TPE wishes to withdraw its registration.

iv. Reason for withdrawal

b. After the TPE's requests for voluntary withdrawal of its registration under JCM for some or all sectoral scopes, the withdrawal is considered effective from the same date indicated in line with paragraph a. above or the date of completion of an ongoing verification/validation assignment by the TPE, whichever is later. After the date indicated in line with paragraph a. above, the TPE will not be allowed to take up new assignments under JCM for the sectors for which voluntary withdrawal was sought by the TPE.

79. Procedures following suspension or withdrawal of a TPE are as follows:

a. When the registration of a TPE is suspended or withdrawn for some or all sectoral scopes,

i. Joint Committee makes the name of the TPE, its status regarding sectoral scopes suspended or withdrawn and the reasons for the suspension or withdrawal publicly available through India's Article 6 portal and the JCM website.

ii. TPE notifies all affected organizations including Project Participants, with whom the TPE is under contract to perform JCM validation and/or verification activities at the time of suspension or withdrawal.

b. When the registration of a TPE is suspended, the TPE may continue its ongoing JCM validation and/or verification activities for which the contract was in force at the time of its suspension. For the sectors for which TPE's registration was suspended, the TPE will not be allowed to take up new assignments under JCM under any ongoing or new contract with a JCM Project Participant.

c. When the registration of a TPE is withdrawn for some or all sectoral scopes, the TPE does not continue any JCM validation and/or verification activities for the sectoral scopes withdrawn.

d. Projects which had been already validated or verified by the TPE are not affected by its suspension or withdrawal, however, the Joint Committee may review the validation or verification documents related to such projects if the reason for suspension of the TPE raises questions on the integrity of validation or verification undertaken by the TPE.

80. Procedures for reinstatement of registration of a TPE are as follows:

a. When a TPE's registration is suspended or withdrawn for some or all sectoral scopes due to non-conformity identified by the Joint Committee, in order to reinstate its registration as a TPE under the JCM the TPE can submit the application form [Annexure-2.24] and documents which explain corrective actions for the causes of its suspension.

b. When a TPE whose registration is suspended or withdrawn for some or all sectoral scopes due to change in accreditation status under the applicable section of Paragraph 67 wishes its registration to be reinstated after the suspension is lifted or the accreditation is reinstated under the applicable section of Paragraph 67, the TPE submits the application form [Annexure-2.24].

c. When a TPE whose registration is voluntarily withdrawn wishes its registration to be reinstated, the entity submits the application form [Annexure-2.24].

d. The Joint Committee decides on whether to reinstate the registration of the suspended or withdrawn TPE based on the submitted documents.

e. When the registration of a TPE is reinstated, the Secretariat makes the name of the TPE and its reinstated sectoral scopes publicly available through India's Article 6 portal and the JCM website.

C.2.6.2. Fee payable for registration as Third-Party Entity under JCM

81. Fee payable for registration as TPE under India-Japan JCM will be published by the Government of the Republic of India on India's Article 6 portal.

D. PROJECTS UNDER INDIA-JAPAN JCM

D.1. Eligibility of Project Activities under India-Japan JCM

82. Only the project activities which are listed by the Government of the Republic of India for Article 6.2 of the Paris Agreement are eligible under India-Japan JCM.

83. The start of the operating date of the proposed JCM project does not predate 7th August 2025.

D.2. Calculation and Sharing of JCM Credits

84. JCM Credits are calculated as the difference between reference emissions and project emissions as illustrated in Figure-1.

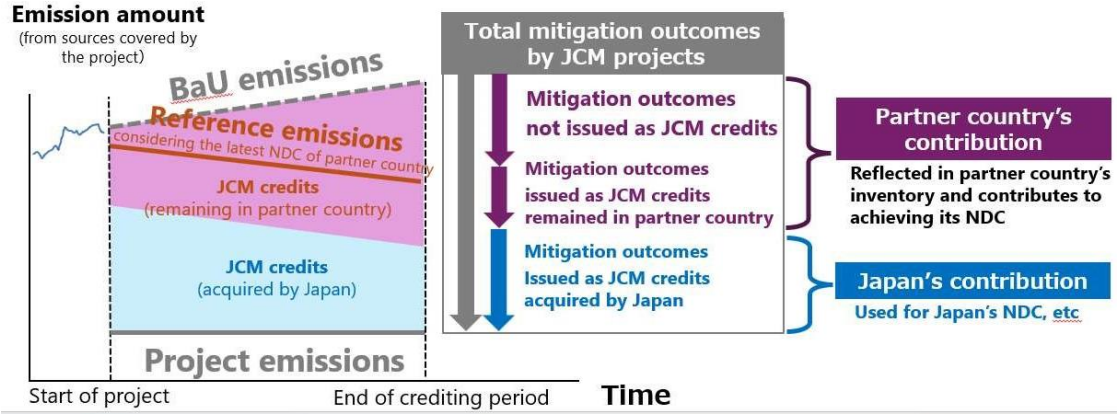
85. The reference emissions are established to be below business-as-usual (BaU) emissions with a conservative buffer in a manner that the proposed project contributes to the achievement of the NDC of India.

86. The sharing of JCM credits is decided by the Joint Committee with prior approval of the Government of the Republic of India and Government of Japan based on respective internal evaluation of the project's technical and financial elements:

    a. extent of each side's respective contributions to mitigation outcomes including private and public financial contributions that account for the direct cost and indirect cost involved, such as, subsidies provided by each government wherever applicable, in-kind contributions, such as technical and operational contributions and the terms of finance.

    b. extent to which the expected carbon credit revenue could lead to substantial improvement in the unit economics of the project.

87. Figure-1: Indicative diagram of the relationship between the BaU emissions, reference emissions and project emissions, and the calculation of JCM Credits:



D.3. Crediting Period

88. Each JCM project selects the crediting period no longer than 10 years, including renewal of the crediting period, if any. The Government of Japan and the Government of the Republic of India, where appropriate, may consider possible extension of the above-mentioned period and reach a decision after approval from competent authority of Government of the Republic of India.

E. PROJECT CYCLE PROCEDURES

E.1. Proposing a Project

E.1.1. Project Idea Note (PIN)

E.1.1.1. Submission of a PIN by a Project Participant

89. The Project Participants of a planned project who seek to request registration under the JCM prepare a project idea note (hereinafter referred to as "PIN") and submit it, using the "Project Idea Note Form" [Annexure-2.1], to the Joint Committee through India's Article 6 portal or the JCM website, before implementing the project.

90. List of documents to be submitted:

    a. Project Idea Note (PIN) Form [Annexure-2.1]

    b. Supporting documents, as applicable

E.1.1.2. Processing of the PIN by the Secretariat

91. The Secretariat issues a unique reference number to the PIN submitted.

92. The Secretariat notifies the receipt of the submission of the PIN and the unique reference number of the PIN to the Project Participants.

93. The Secretariat undertakes a completeness check, and if the PIN Form is found to be complete it submits the PIN to respective competent authorities of the Government of the Republic of India and Government of Japan for their review and approval.

94. If the Secretariat finds that the PIN Form submitted by a Project Participant is incomplete, it requests the Project Participant to complete the PIN Form and submit it again for processing.

E.1.1.3. Approval by the Government of the Republic of India and the Government of Japan

95. The Government of the Republic of India and the Government of Japan review and approve the PIN through their respective competent authority.

96. Both governments communicate their approval or rejection of the PIN, and any related concerns to the Joint Committee.

E.1.1.4. Adoption of Decision by Joint Committee

97. The Joint Committee adopts the decision to object or not object the planned project described in the PIN within fifteen (15) calendar days after receiving approval or rejection from both governments.

98. The Joint Committee makes the decision publicly available, including the reference number of the PIN, the name of the planned project, the date of submission and the reason for objection when the Joint Committee objects to the planned project described in the PIN through India's Article 6 portal and the JCM website, and the Secretariat notifies the Project Participants of the result.

99. Upon decision by the Joint Committee on no objection to the PIN, the Project Participants may proceed to the next steps in the project cycle procedures.

100. If the Project Participants wish to resubmit the PIN due to substantive changes after receiving a no objection, they may revise the PIN and submit the revised PIN to the Joint Committee for no objection through the Secretariat, notifying the reference number which has already been issued to the planned project. A change of focal/lead entity among the Project Participants is also considered 'substantive' and requires PIN resubmission.

E.2. Proposing a Methodology under JCM

E.2.1. Methodology

101. The Government of Japan, the Government of the Republic of India or Project Participants may prepare a proposed methodology and submit it to the Secretariat. In such cases they are referred to as “methodology proponents” in this Operational Manual.

E.2.1.1. Guidelines for developing Methodology

102. Eligibility criteria in proposed methodologies contain the requirements for the project to be able to apply the approved methodology.

103. Methodology proponents prepare the proposed methodology by filling in the Proposed Methodology Form and the Proposed Methodology Spreadsheet, attached to these Guidelines.

104. The Proposed Methodology Form and the Proposed Methodology Spreadsheet are completed in English language.

105. Methodology proponents provide supporting documents to justify key logical and quantitative assumptions regarding the choice of eligibility criteria, default values and establishment of reference emissions.

106. The Proposed Methodology Form is not altered, that is, is completed without modifying its format, font, headings. If sections of the Proposed Methodology Form are not applicable, it is explicitly stated that the section is left blank on purpose.

107. The Proposed Methodology Spreadsheet enables calculation of GHG emission reductions automatically through inputting values by Project Participants. The Proposed Methodology Spreadsheet consists of the following:

a. An Input Sheet containing all the parameters to be monitored ex post, project-specific parameters to be fixed ex ante by the Project Participants (e.g. historical data) as well as the default factors which can be changed by the Project Participants. For each parameter, the methodology proponents fill in all the required fields, except for those of the inputted values;

b. A Calculation Process Sheet containing all the default values which cannot be changed by the Project Participant, calculation process to derive reference emissions and project emissions, and the resulting emission reductions.

108. The proposed methodology:

a. Describes the procedures in a manner that is sufficiently explicit to enable the methodology to be used, be applied to projects unambiguously, and be reproduced by a third party;

b. Makes it possible for projects following the methodology to be subjected to JCM validation and/or verification;

c. Includes all algorithms, formulae, and step-by-step procedures needed to apply the methodology and validate the project, i.e., calculating reference emissions and project emissions;

d. Provides instructions for making any logical or quantitative assumptions that are not provided in the methodology and is made by the methodology user;

e. Avoids the intentional increase of credits caused by perverse incentives (e.g. when an increase in output is triggered by incentive to increase credits).

109. The presentation of values in the Proposed Methodology Form and the Proposed Methodology Spreadsheet are in international standard format (e.g. 1,000 representing one thousand and 1.0 representing one). The units used are accompanied by their equivalent S.I. units/norms (thousand/million) as part of the requirement to ensure transparency and clarity.

110. To ensure accurate calculation of emission reductions and secure MRV (Measurement, Reporting, and Verification), JCM methodologies include the following elements:

a. Applicability Conditions: Scope of target technologies and projects, baseline conditions

b. Calculation of Emission Reductions: Definitions and formulas for baseline emissions, reference emissions, project emissions, and leakage if applicable

c. Monitoring Requirements: Measurement items, frequency, and data management methods

d. Quality Assurance: Transparency, verifiability, and ensuring that emission reductions are additional

e. Consistency with Article 6 of the Paris Agreement

f. Measures to be taken to address reversals and minimize the risk of non-permanence of emission reductions/removals.

111. Scientific validity, international consistency (in line with IPCC Guidelines), feasibility, and prevention of double counting are essential for approval of a methodology under JCM.

E.2.1.2. Submission of Methodology by a Methodology Proponent

112. The proposed methodology consists of the completed "Proposed Methodology Form" [Annexure-2.2] and "Proposed Methodology Spreadsheet Form" [Annexure-2.3], containing the Input Sheet and Calculation Process Sheet, which are developed in line with the guidance provided in this manual. The submission may be accompanied by additional documents which help explain the methodology. The Joint Committee may request the methodology proponents to submit additional documents including a draft project design document (hereinafter referred to as "PDD") to which the proposed methodology is applied.

113. List of documents to be submitted:

a. Proposed Methodology Form [Annexure-2.2]

b. Proposed Methodology Spreadsheet [Annexure-2.3]

c. Supporting documents, as applicable

114. Mode of submission and communication:

a. Methodology proponents prepare a proposed methodology and submit it with the relevant documents on India's Article 6 portal, for decision by the Joint Committee.

E.2.1.3. Receiving Public Inputs on the proposed Methodology

115. The Secretariat promptly makes the proposed methodology publicly available for public inputs through India's Article 6 portal and the JCM website.

116. The duration of call for public inputs is fifteen (15) calendar days.

117. The Secretariat makes all received inputs publicly available through India's Article 6 portal and the JCM website.

E.2.1.4. Processing of the proposed methodology by the Secretariat

118. After the call for public inputs is complete, the Secretariat undertakes a completeness check of the proposed methodology based on, but not limited to, the documents submitted by the methodology proponents and the public inputs received, in line with guidelines for developing methodology (refer Section E.2.1.1.).

119. Upon completion of the completeness check, the Secretariat submits the outcome to the respective competent authorities of the Government of the Republic of India and Government of Japan for their review and approval.

E.2.1.5. Approval by the Government of the Republic of India and the Government of Japan

120. The Government of the Republic of India and Government of Japan review and approve the methodology through their respective competent authority.

121. Both governments communicate their approval or rejection of the methodology, and any related concerns to the Joint Committee.

E.2.1.6. Adoption of Decision by Joint Committee

122. Upon receiving the approval or rejection of the methodology by both the governments, the Joint Committee adopts the decision on the proposed methodology within fifteen (15) calendar days after receiving the approval or rejection from both governments, as given below:

a. Approval of the proposed methodology under India-Japan JCM; or

b. Approval of the proposed methodology with revisions, under India-Japan JCM; or

c. Non-approval of the proposed methodology under India-Japan JCM.

123. The Secretariat notifies the decision adopted by the Joint Committee to the methodology proponents, with its reasons.

124. The Secretariat makes publicly available the outcome of the consideration, as well as relevant information on the approved methodology, which consists of approved methodology document and Monitoring Spreadsheet, through India's Article 6 portal and the JCM website. Monitoring Spreadsheet consists of Monitoring Plan Sheet, Monitoring Structure Sheet and Monitoring Report Sheet.

E.3. Preparatory Activities for Authorization of Project Participants

125. After the Joint Committee provides no objection to the PIN submitted by Project Participants, the Project Participants submit documents for their authorization as an entity under the JCM to the Government of the Republic of India on India's Article 6 portal.

126. The Indian and Japanese Secretariats follow necessary procedures for the authorization of a Project Participant as an entity under the JCM, in line with the respective applicable national laws, rules and regulations. If required, Indian and/or Japanese Secretariat may seek clarifications or additional information/ documents from the Project Participant for its authorization as an entity under the JCM.

127. In the event of an exceptional circumstance where the Project Participant is found to undermine the purpose of the JCM or is not complying with the domestic laws and regulations of India, the Project Participant's participation under the JCM may be suspended based on a decision by the Joint Committee with prior approval of both governments.

E.4. Registering a Project under JCM

E.4.1. Project Design Document (PDD)

E.4.1.1. Guidelines for developing PDD

128. When designing a proposed JCM project and developing a PDD and a monitoring report, Project Participants apply these Guidelines and the selected methodology(ies), which contain(s) approved methodology document(s) and Monitoring Spreadsheet(s).

129. Monitoring Spreadsheet is provided as a part of each approved methodology, and it consists of:

a. Monitoring Plan Sheet (input sheet and calculation process sheet) which is used before validation for developing a monitoring plan and calculating emission reductions ex ante;

b. Monitoring Structure Sheet which is used before validation for developing an operational and management structure to be implemented in order to conduct monitoring;

c. Monitoring Report Sheet (input sheet and calculation process sheet) which is used before verification for developing a monitoring report and calculating emission reductions ex post.

130. A PDD consists of a completed PDD form and monitoring plan using Monitoring Plan Sheet and Monitoring Structure Sheet.

131. The Project Participants provide a description of the project that provides a comprehension of the nature of the project and its implementation.

132. The PDD form and the Monitoring Spreadsheet are completed in English language.

133. The PDD form and the Monitoring Spreadsheet are not to be altered, that is, are to be completed without modifying its format, font, headings, except for those referred in paragraph 134 below.

134. Rows may be added to the table in the Annexure of the PDD form.

135. Where a PDD contains information that the Project Participants wish to be treated as confidential or proprietary, the Project Participants are required to submit documentation in two versions:

a. One version where all parts containing confidential or proprietary information are hidden (e.g. by covering those parts with black ink or overwrite those parts with letters such as “XXX”) so that the version can be made publicly available without displaying confidential or proprietary information;

b. Another version containing all information that is to be treated as strictly confidential or proprietary by all parties handling this documentation (the third-party entities, the Joint Committee members, external experts).

136. Description related to application of the eligibility criteria and the environmental impact assessment is not considered confidential or proprietary.

137. The presentation of values in the PDD, including those used for the calculation of emission reductions, are in international standard format e.g. 1,000 representing one thousand and 1.0 representing one. The units used are accompanied by their equivalent S.I. units/norms (thousand/million) as part of the requirement to ensure transparency and clarity.

138. When preparing a draft PDD, the Project Participants of a proposed JCM project confirm the approval date of the latest version of the approved methodology which the Project Participants plan to apply.

139. If five (5) years have passed since the approval date of the methodology, Project Participants may request the Joint Committee through the Secretariat, to re-evaluate and decide the validity of reference emissions of the approved methodology. In such a case, Project Participant submits PDD to the Secretariat after the Joint Committee has positively assessed the continued validity of the reference emissions, or after a revised/new methodology has been approved, as applicable.

140. Project participants develop a monitoring plan using Monitoring Plan Sheet and Monitoring Structure Sheet in the corresponding Monitoring Spreadsheet of the methodology applied.

141. Project participants input estimated values for each parameter in the Monitoring Plan Sheet including those fixed ex ante for parameters not to be monitored.

142. Project participants also describe the following items for each parameter specified in the Monitoring Plan Sheet in line with the applied methodology(ies). Project participants may add detailed information specific to the proposed project to the contents given in the applied methodology.

a. Estimated values: Provide the estimated values of the parameter for the purpose of calculating emission reductions ex ante;

b. Monitoring option: Select an option from below;

i. Option A: Based on public data which is measured by entities other than the Project Participants (Data used: publicly recognized data such as statistical data);

ii. Option B: Based on the quantity recorded in operational documents (Data used: commercial evidence such as invoices);

iii. Option C: Based on the actual measurement using measuring equipment (Data used: measured values).

c. Source of data: Provide the source of data used or to be used. Clearly indicate the type of data source (e.g. logbooks, daily records, surveys, etc.) and spatial level of data (e.g. local, regional, national), as applicable;

d. Measurement methods and procedures: Describe how the parameters are to be measured/calculated including Quality Assurance/Quality Control (hereinafter referred to as "QA/QC") procedures applied. If the parameter will be measured, describe the equipment to be used to measure it, including details on accuracy level, and calibration information (frequency, date of calibration and validity) in line with Paragraph 146 to 149 below. Describe how the uncertainty affects the GHG emission reductions and how it has been addressed to minimize misrepresentation;

e. Monitoring frequency: Describe the monitoring frequency (e.g. continuously, annually).

143. The Project Participants ensure that data monitored and required for verification and issuance be kept and archived electronically for two years after the final issuance of credits.

144. In the Monitoring Structure Sheet, the Project Participants describe the operational and management structure to be implemented in order to conduct monitoring. The Project Participants establish and clearly indicate the roles and responsibilities of personnel, institutional arrangements, and procedures for data collection, archiving and reporting.

145. The Project Participants appoint a nodal person who is responsible for overall monitoring activity including preparation of the monitoring report and managing and archiving data. The nodal person is responsible for monitoring:

a. Ensures the quality of the monitoring report and the structure and procedure for producing such a document;

b. Appoints a person(s) responsible for managing monitoring points, when necessary, to collect data and maintain and control measuring

instruments (including calibration/regular inspection) at monitoring points;

c. Ensures the assessment of the risks of malfunctioning of the project equipment, discontinuation of the project, omission of data, and intentional misstatement or noncompliance with laws and regulations which could prevent the achievement of the planned emission reductions or removals.

146. For monitoring of parameters under Option C (i.e. parameters monitored through actual measurement), the Project Participants determine the frequency of calibration following the paragraphs 147, 148 and 149 below, unless otherwise stated in the applied methodology, and describe the frequency in the Monitoring Plan Sheet in line with paragraph 142(d).

147. The Project Participants confirm whether national laws and regulations on measurement exist for parameters under Option C.

148. Regarding parameters for which corresponding national laws and regulations on measurement exist, measuring equipment for those parameters is to be calibrated and/or qualified in accordance with the laws and regulations.

149. Regarding parameters for which national laws and regulations on measurement do not exist, measuring equipment is to be calibrated in line with international standards or manufacturers' specification.

150. The following changes are permissible in the PDD as compared to PIN, without the need to re-submit PIN:

a. Addition of monitoring items

b. Adjustment of implementation schedule

c. Costs fluctuations due to market conditions

151. The following changes are not permissible in the PDD as compared to PIN, such changes require re-submission of PIN:

a. Fundamental changes in technology (e.g., switching from renewable energy to energy efficiency)

b. Changes to the project's purpose or emission reduction mechanism

c. Changes in representative business operators require re-submission of the PIN

d. Changes in EPC (Engineering, Procurement, and Construction)

152. The lists of permissible and non-permissible changes between PDD and PIN as mentioned in Paragraphs 150 and 151 are non-exhaustive.

E.4.1.2. Submission of PDD by a Project Participant

153. The Project Participants of a proposed JCM project prepare a draft PDD, which consists of a completed "Project Design Document Form" [Annexure-2.4], using the latest version of that form, and monitoring plan, in line with Section E.4.1.1. (hereinafter referred to as "PDD and Monitoring Guidelines"), and submit them together with a modalities of communication statement, using the latest version of the "Modalities of Communication Statement Form" [Annexure-2.10] and supporting documentation, as appropriate, to the TPE contracted by the Project Participants to perform validation of the project and to the Joint Committee through the Secretariat for public inputs.

154. When preparing a draft PDD, Project Participants mention a crediting period less than or equal to 10 years in all applicable JCM forms.

155. Submission of PDD and related documents is done together with the submission of Sustainable Development Implementation Plan (SDIP) and related documents.

156. If a project requires Environmental Impact Assessment (EIA) as per the national laws and regulations of India, the Project Participant submits PDD, SDIP and related documents after it has received environmental clearance for the project from the Government of the Republic of India.

157. List of documents to be submitted:

a. Project Design Document Form [Annexure-2.4]

b. Modalities of Communication Statement Form [Annexure-2.10]

c. Monitoring Plan Sheet [Annexure-2.5]

d. Monitoring Structure Sheet [Annexure-2.6]

e. Assessment of Reference Emissions Request Form [Annexure-2.11]

f. Supporting documents, as applicable

158. Mode of submission and communication:

a. All documents related to PDD are to be submitted by the Project Participant on India's Article 6 portal or the JCM website.

b. The Secretariat issues a unique reference number to the JCM project for public inputs.

c. The Secretariat notifies the receipt of the submission and the unique reference number to the Project Participant who has submitted the draft PDD and any supporting documents, Modalities of

Communication Statement Form, Monitoring Plan Sheet, and Monitoring Structure Sheet.

E.4.1.3. Processing of PDD by the Secretariat

159. The Secretariat checks the PDD submitted by a Project Participant for completeness.

160. If a section of the PDD is found to be incomplete, the Secretariat sends back the PDD to the Project Participant for necessary corrective action.

E.4.1.4. Receiving Public Inputs on proposed PDD

161. If the Secretariat checks the PDD and finds all its sections are complete, it publishes the PDD on India's Article 6 portal and the JCM Website for public inputs.

162. The duration of call for public inputs on the draft PDD is thirty (30) calendar days subsequent to the publication of the draft PDD. The Secretariat informs the Project Participants and the TPE of the location of the draft PDD on India's Article 6 portal and the JCM website and the opening and closing dates of the duration of call for public inputs.

163. In addition to the draft PDD, the Secretariat, through India's Article 6 portal and the JCM website, also makes the following information publicly available:

a. The name of the proposed JCM project;

b. The location of the proposed JCM project including coordinates;

c. The names of all Project Participants listed in the draft PDD of the proposed JCM project;

d. The name of the TPE which conducts validation (and verification) for the proposed JCM project;

e. The estimated annual greenhouse gas (GHG) emission reductions or removals indicated in the draft PDD;

f. The approved methodology(ies) being applied to the proposed JCM project;

g. The proposed start date of the project;

h. The crediting period of the proposed project.

164. All stakeholders may submit inputs, in English, on the proposed JCM project to the Project Participants and the TPE through India's Article 6 portal or the JCM website. The submitters of the inputs provide the name and contact details of the individual or organization on whose behalf the

inputs are submitted. The TPE checks the authenticity and relevance of this information in case of doubt.

165. The Secretariat makes a summary of the received inputs publicly available through India's Article 6 portal and the JCM website where the draft PDD is displayed and removes those that the TPE has determined to be inauthentic or irrelevant in line with paragraph 164 above.

E.4.1.5. Validation of PDD by Third-Party Entity

166. The TPE, in line with the Guidelines for Third Party Entities for Project Validation [Annexure-1.1], validates the Modalities of Communication Statement Form and the proposed JCM project as described in the draft PDD, prepares a validation report using the latest version of the "Validation Report Form" and sends the report to the Project Participants.

167. The TPE reports the results of its assessment in a validation report using the latest version of the Validation Report Form [Annexure-2.12].

168. The TPE states in the validation report either of the following final validation opinion:

a. A positive validation opinion with a date of submission; or

b. A negative validation opinion explaining the reason for its opinion if the TPE determines that the proposed JCM project does not fulfil the applicable JCM requirements or the information provided by the Project Participants is insufficient.

169. The validation report gives an overview of the validation results and the validation process used by the TPE. All validation findings are mentioned and justified by TPE in the validation form.

170. In its validation report, the TPE provides the following:

a. A summary of the validation process and its opinion;

b. All its applied approaches, findings and opinion;

c. Information on call for public inputs conducted by the Secretariat, including dates and how inputs received have been taken into account by the Project Participants;

d. Responses of the Project Participants to Corrective Action Request (CAR) and Clarification (CL), and discussions on and revisions to project documentation;

e. A list of interviewees and documents reviewed;

f. Details of the validation team, technical experts, internal technical reviewers involved, together with their roles in the validation activity and details of who conducted the on-site visit;

g. Information on quality control within the team and in the validation process;

h. Appointment certificates or curricula vitae of the TPE's validation team members, technical experts and internal technical reviewers for the project.

171. The TPE accredited under ISO 14065 includes the symbol of the accreditation body in the validation report.

172. The TPE provides the Project Participants with the report along with the supporting documents and informs the Joint Committee of the outcome.

E.4.2. Sustainable Development Implementation Plan (SDIP)

E.4.2.1. Guidelines for developing SDIP

173. The Project Participants provide a comprehensive description of plan for contributions to sustainable development (hereinafter referred to as "SD") through the proposed JCM project.

174. The Project Participants conduct ex-ante analysis of the contribution to SD using the SDIP form.

175. The SDIP form is completed in English language.

176. The presentation of values in the SDIP form, including those used for the calculation, where necessary, are in international standard format e.g. 1,000 representing one thousand and 1.0 representing one. The units used are accompanied by their equivalent S.I. units/norms (thousand/million) as part of the requirement to ensure transparency and clarity.

177. The SDIP form is to be completed without its format, font and headings being altered.

178. Project participants are encouraged to refer to, as appropriate, the related local and/or national regulations and guidelines in their preparation of SDIP.

E.4.2.2. Submission of SDIP by a Project Participant

179. The Project Participants of a proposed JCM project prepare a draft sustainable development implementation plan, which describes the plan of contribution to sustainable development, using the latest version of that form in line with this operational manual, and submit the draft SDIP together with supporting documentation, as appropriate, to the Joint Committee

through the Secretariat at the time of the submission of the draft PDD in line with Section E.4.2.1. above.

180. Submission of Sustainable Development Implementation Plan (SDIP) and related documents is done together with the submission of PDD and related documents.

181. If a project requires Environmental Impact Assessment (EIA) as per the national laws and regulations of India, the Project Participant submits PDD, SDIP and related documents after it has received environmental clearance for the project from the Government of the Republic of India.

182. List of documents to be submitted:

a. Sustainable Development Implementation Plan (SDIP) Form [Annexure-2.8]

b. Supporting documents, as applicable

183. Mode of submission and communication:

a. All documents related to SDIP are to be submitted by the Project Participant on India's Article 6 portal or the JCM website.

b. The Secretariat notifies the receipt of the submission of the draft SDIP to the Project Participants by electronic means.

E.4.2.3. Receiving Public Inputs on proposed SDIP

184. Upon notifying the receipt of the submission, the Secretariat makes the draft SDIP publicly available through India's Article 6 portal and the JCM website for public inputs. The duration of call for public inputs on the draft SDIP is thirty (30) calendar days subsequent to the publication of the draft SDIP. The Secretariat informs the Project Participants of the publication URL of the draft SDIP on India's Article 6 portal and the JCM website and the opening and closing dates of the duration of call for public inputs.

185. All stakeholders may submit inputs, in English, on the draft SDIP to the Project Participants and the Secretariat on India's Article 6 portal or the JCM website. The submitters of the inputs provide the name and contact details of the individual or organization on whose behalf the inputs are submitted. The Secretariat checks the authenticity and relevance of this information in case of doubt.

186. The Secretariat makes a summary of the public inputs available to the public through India's Article 6 portal and the JCM website where the draft SDIP is displayed, excluding those that the Secretariat has determined to be inauthentic or irrelevant in line with paragraph 185 above.

E.4.2.4. Assessment by the Secretariat

187. After closing the call for public inputs, the Secretariat conducts a review of the SDIP.

188. During the review, the Secretariat may interact with the Project Participants on specific issues regarding the SDIP.

E.4.2.5. Finalization of SDIP

189. The Secretariat notifies the Project Participants by electronic means during the period of review specified in paragraph 187 above if potential negative impacts of the project on sustainable development are identified and an appropriate action plan is not described.

190. In case potential negative impacts of the project on sustainable development are identified and an appropriate action plan is not properly described during the period of review, the Secretariat requests the Project Participants to revise the draft SDIP and re-submit it for review.

191. The draft SDIP is deemed positively reviewed if no potential negative impacts are identified or an appropriate action plan is properly described during the period of review.

E.4.3. Review of Project Documents for Registration under JCM

E.4.3.1. Submission of Project Documents for Registration by Project Participant

192. The Project Participants, after receiving a positive validation opinion by the TPE, and after the SDIP is positively reviewed by the Secretariat, may request for registration of the proposed JCM project. When requesting for registration, the Project Participants submit the completed "Project Registration Request Form" using the latest version of that form, the validated PDD and Modalities of Communication Statement Form, the validation report, the positively reviewed SDIP, the completed "Credit Allocation Form" using the latest version of that form, and other supporting documents, as appropriate, by electronic means.

193. List of documents to be submitted:

a. Project Registration Request Form [Annexure-2.13]

b. Project Design Document Form [Annexure-2.4]

c. Modalities of Communication Statement Form [Annexure-2.10]

d. Monitoring Plan Sheet [Annexure-2.5]

e. Monitoring Structure Sheet [Annexure-2.6]

f. Assessment of Reference Emissions Request Form [Annexure-2.11]

g. Sustainable Development Implementation Plan (SDIP) Form [Annexure-2.8]

h. Credit Allocation Form [Annexure-2.16]

i. Supporting documents, as applicable

194. Mode of submission and communication:

a. All documents for project registration, as listed in paragraph 193 are to be submitted by the Project Participant on India's Article 6 portal or the JCM website.

b. The Secretariat maintains a publicly available list of all submitted requests for registration through India's Article 6 portal and JCM website.

c. The Secretariat notifies the receipt of the request for registration to the Project Participants by electronic means.

E.4.3.2. Processing of the project registration request by the Secretariat

195. The Secretariat receives all the documents submitted by Project Participants for project registration, confirms completeness and submits them to the respective competent authorities of the Government of the Republic of India and the Government of Japan for their review and approval.

196. The Secretariat may interact with the Project Participants to seek clarification or additional information regarding the proposed project.

E.4.3.3. Approval by the Government of the Republic of India and the Government of Japan

197. The Government of the Republic of India and the Government of Japan review the request for registration of project and credit allocation.

198. Both governments communicate their approval or rejection of the request for project registration and credit allocation, and any related concerns to the Joint Committee.

199. Both governments may interact with the Project Participants through the Secretariat to seek clarification or additional information regarding the proposed project.

200. Both governments may request Project Participants to provide additional evidence and quantified information relating to the respective contributions of the governments and Project Participants of India and Japan, including contribution to investment in the project, for the purpose of determining credit allocation.

201. Before the decision on project registration is adopted by the Joint Committee, both governments provide letter of authorization of entity to the Project Participants.

E.4.3.4. Adoption of Decision by Joint Committee

202. The Joint Committee adopts the decision on the allocation of JCM credits between India and Japan, and Project Participants of the respective countries, after receiving approval or rejection from both governments. The credit allocation may be revised with the consent of all the Project Participants and prior approval of both governments, at a later stage.

203. Joint Committee adopts the decision on project registration as follows, after receiving approval or rejection from both governments:

a. Registration of the proposed project; or

b. Registration of the proposed project with revisions; or

c. Rejection of the proposed project.

204. When the Joint Committee adopts the decision to register the proposed JCM project, the Secretariat notifies each government, the Project Participants and the TPE of the registration and makes publicly available the relevant information of the JCM project through India's Article 6 portal and the JCM website.

205. The Project Participants may re-submit a proposed JCM project that has been rejected by the Joint Committee. Such submission addresses the reasons for rejection stated by the Joint Committee.

E.4.4. Registration of Project under JCM

E.4.4.1. Issuance of Letter of Intent for the Project

206. After the registration of a project, a Letter of Intent for the issuance and authorization of JCM credits will be provided to the Project Participants by the Government of the Republic of India.

E.4.4.2. Opening of Indian Project Participant(s)' account on the India's Article 6 Registry

207. After the Joint Committee adopts the decision to register a project, the Indian Project Participant(s) may open their accounts on the India's Article 6 Registry.

E.4.4.3. Opening of Japanese Project Participant(s)' account on the registry of Japan

208. After the Joint Committee adopts the decision to register a project, the Japanese Secretariat may open an account for the Japanese Project Participant(s) on the JCM registry of Japan.

E.5. Implementation of Project registered under JCM

E.5.1. Changes to Credit Allocation

209. After successful registration and until the end of the valid crediting period, if the contributions made by the Government of the Republic of India, Government of Japan, Indian Project Participants, or Japanese Project Participants deviate from what has been communicated to the Joint Committee at the time of project registration, the lead Project Participant communicates such deviations within 30 calendar days of their occurrence to the Joint Committee through the Secretariat by submitting a Post-Registration Change Request Form [Annexure-2.20] and a revised Credit Allocation Form [Annexure-2.16]. In such cases, the Joint Committee adopts the decision on such changes with the prior approval of the Government of the Republic of India and Government of Japan. All other project cycle procedures may be suspended by the Joint Committee until a decision is communicated to the Project Participants through the Secretariat via electronic means.

E.6. Issuance of JCM Credits

E.6.1. Monitoring Report

E.6.1.1. Guidelines for developing Monitoring Report

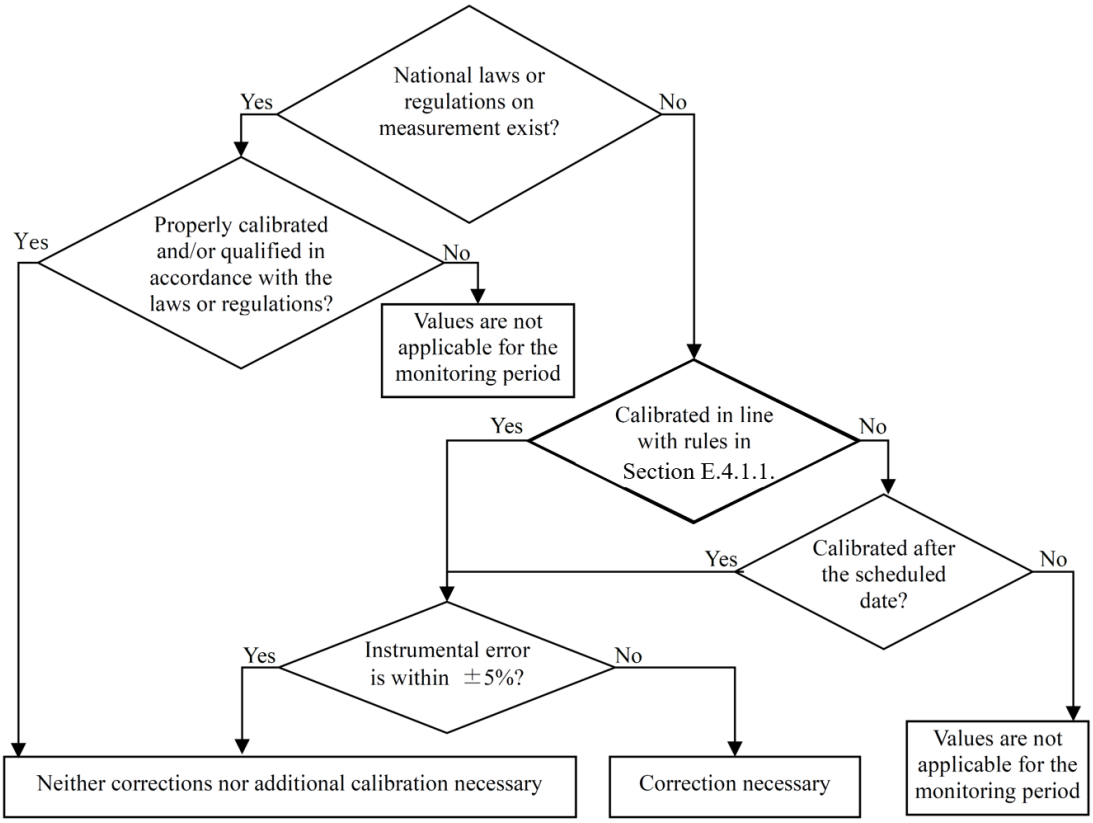
210. The Project Participants monitor the registered JCM project and its emission reductions in line with the monitoring plan of the registered PDD.

211. The Project Participants establish and apply quality management procedures to manage data and information. The Project Participants should reduce, as far as is practical, uncertainties related to the quantification of emission reductions.

212. For monitoring of parameters under Option C (i.e. parameters monitored through actual measurement using measuring equipment), the Project Participants calibrate measuring equipment as per the monitoring plan.

213. The Project Participants determine the necessity for data correction in calculation of emission reductions following the decision tree shown in Figure 2 below:

214. Figure 2: Decision Tree for Data Correction



215. Regarding parameters for which corresponding national laws and regulations on measurement exist, the Project Participants:

a. Apply measured values (uncorrected values) to those parameters in calculation of emission reductions, if measuring equipment is calibrated and/or qualified in accordance with the national laws and regulations on measurement;

b. Do not apply measured values in calculation of emission reductions for that monitoring period, if measuring equipment is not calibrated and/or qualified in accordance with the national laws and regulations on measurement.

216. Regarding parameters for which national laws and regulations on measurement do not exist, the Project Participants check whether the instrumental errors identified in the calibration test stay within the required level of accuracy (i.e. ±5%).

217. For parameters described in paragraph 215, if measuring equipment is calibrated in line with the monitoring plan, the Project Participants:

a. Apply measured values (uncorrected values) to those parameters in calculation of emission reductions, where the instrumental errors of the measuring equipment stay within ±5%;

b. Correct measured values by applying the difference resulted from the instrumental error and required level of accuracy to the measured values during the period between the date of the previous calibration and the concerned calibration, in line with the Appendix to these guidelines, and apply the corrected values to those parameters in calculation of emission reductions, where the instrumental errors of the measuring equipment do not stay within ±5%.

218. For parameters described in paragraph 215, if measuring equipment is not calibrated in line with the monitoring plan, but calibration is implemented after the scheduled date, the Project Participants:

a. Apply measured values (uncorrected values) to those parameters in calculation of emission reductions, where the instrumental errors identified in the delayed calibration test stay within ±5%;

b. Correct measured values by applying the difference resulted from the instrumental error identified in the delayed calibration and required level of accuracy to the measured values during the period between the date of previous calibration and the actual date of calibration in line with the Appendix to these Guidelines, and apply the corrected values to those parameters in calculation of emission reductions,

where the instrumental errors identified in the delayed calibration test do not stay within ±5%.

219. Correction of values in line with paragraph 217(b) and 218(b) are conducted in a manner which results in a conservative calculation of emission reductions, as shown in the Appendix to these guidelines in paragraph 226.

220. For parameters described in paragraph 215, if measuring equipment is not calibrated in line with the monitoring plan and calibration is not implemented after the scheduled date, the Project Participants do not apply measured values in calculation of emission reductions for that monitoring period.

221. The Project Participants record and archive the data as per the monitoring plan.

222. When conducting monitoring, the Project Participants archive the evidence and records that validate the figures to be stated in the monitoring report(s). It includes the source documents that form the basis for calculations and other information underlying the emission reductions.

223. The Project Participants develop a monitoring report using the Monitoring Report Sheet applied to the registered JCM project.

224. For each parameter in the Monitoring Report Sheet, the Project Participants describe appropriate information corresponding to the following items:

a. Monitoring period: Describe the monitoring period;

b. Monitored values: Provide the values of the monitored parameter for the purpose of calculating emission reductions;

c. Monitoring option: Fill in the monitoring option used;

d. Source of data: Provide the source of data used. Clearly indicate the type of data source (e.g. logbooks, daily records, surveys, etc.) and spatial level of data (e.g. local, regional, national, international), if applicable;

e. Measurement methods and procedures: Describe how the parameters are measured/calculated including QA/QC procedures applied. If the parameter is measured, describe the equipment used to measure it, including details on accuracy level, and calibration information (frequency, date of calibration and validity);

f. Monitoring frequency: Describe the monitoring frequency.

225. The Project Participants prepare a draft monitoring report in line with the applied methodology, the PDD, and the guidelines for Monitoring Report provided in this manual, and submit it together with supporting documentation to the TPE contracted by the Project Participants to perform verification of the monitored GHG emission reductions or removals.

226. **Appendix: Accuracy Level and Calibration**

a. The following provides an illustrative example for applying the matters in paragraphs 217 and 218 on the treatment of monitored parameters for which national laws and regulations on measurement do not exist.

b. A hypothetical biomass power generation project is envisaged. The project generates electricity from biomass fuel and supplies it to the grid system. The project consumes diesel oil for a start-up and auxiliary fuel source to meet the required level of output. In this example, emission reductions are calculated as the difference between reference emissions calculated by multiplying electricity generated and emission factor of the grid, and project emissions calculated by multiplying diesel oil consumed and its emission factor.

c. If the instrumental errors identified in the calibration test do not exceed ±5%, then no correction is needed. An example is shown in example 1.

d. If the instrumental errors identified in the calibration test exceeds ±5%, then a correction to the measured values is applied. The degree of correction is the identified errors minus 5%, in a way that results in a conservative calculation of emission reductions. Correction is positive in case of project emissions and negative in case of reference emissions. An example is shown in example 2.

e. Example 1: When the instrumental errors identified in the calibration test do not exceed ±5%

Measured value	Parameter	Error identified during (delayed) calibration	Applied values
100 MWh	Electricity supplied to the grid (required parameter for calculating reference emissions)	±0.2%	100MWh (uncorrected), since the error identified by calibration is less than or equal to the required accuracy

			level of ±5%, no correction needed
800 litres of diesel	Diesel flow to the power plant (required parameter for calculating project emissions)	±2%	800 litres (uncorrected), since the error identified by calibration is less than or equal to the required accuracy level of ±5%, no correction needed

f. Example 2: When the instrumental errors identified in the calibration test exceeds ±5%

Measured value	Parameter	Error identified during (delayed) calibration	Applied values
100 MWh	Electricity supplied to the grid (required parameter for calculating reference emissions)	±7%	100MWh*(1-(7%-5%))=98MWh, since the error identified by calibration is more than the required accuracy level of ±5%, and it is conservative to take the lower end of the corrected value.
800 litres of diesel	Diesel flow to the power plant (required parameter for calculating project emissions)	±10%	800 litres *(1+(10%-5%))=840 litres, since the error identified by calibration is more than the required accuracy level of ±5%, and it is conservative to take the higher end of the corrected value.

E.6.1.2. Verification of Monitoring Report by Third-Party Entity

227. The TPE, in line with the Guidelines for Third Party Entities for Project Verification [Annexure-1.2], verifies the amounts of GHG emission reductions or removals on the basis of the monitoring report submitted by the Project Participants, prepares a verification report using the latest version of the Verification Report Form [Annexure-2.15] and sends the report to the Project Participants which requested verification.

228. The TPE reports the results of its assessment in a verification report using the latest version of the verification report form which is available on India's Article 6 portal and the JCM website.

229. The verification report gives an overview of the verification opinion and the verification process used by the TPE. All verification findings are identified and justified.

230. The TPE reports the following:

a. A summary of the verification process and the scope of verification;

b. A summary of the verification results and decision on the level of assurance;

c. Details of the verification team, technical experts, and internal reviewers involved, together with their roles in the verification activity and details of who conducted the on-site visit;

d. Findings of the desk review and site visit;

e. All of the TPE's findings and opinion as to whether:

i. The project has been implemented and operated in line with the eligibility criteria of the applied methodology;

ii. Omissions or misstatements of reported values whether material or immaterial;

iii. The measuring equipment has been calibrated in line with the monitoring plan and the measured values are corrected appropriately in line with the PDD and Monitoring Guidelines, for parameters monitored under Option C of the Monitoring Plan Sheet;

iv. The data and calculation of GHG emission reductions or removals have been assessed to correctly support the emission reductions or removals being claimed;

v. The project is not registered under other GHG mitigation crediting mechanisms.

f. A list of each parameter specified by the monitoring plan and a statement on how the values in the monitoring report have been verified;

g. A statement that identifies any changes to the registered PDD, and their date of approval by the Joint Committee;

h. An assessment and close-out of any CARs, CLs or FARs issued to the Project Participants;

i. An assessment of remaining issues from the previous verification period, if appropriate;

j. An opinion on the verified amount of emission reductions or removals achieved.

231. The TPE accredited under ISO 14065 includes the symbol of the accreditation body in the verification report.

232. The TPE describes all documentation supporting verification and makes such documentation available to the Joint Committee upon request.

E.6.2. Sustainable Development Implementation Report (SDIR)

E.6.2.1. Guidelines for developing SDIR

233. The Project Participants conduct ex-post evaluation of the contribution to SD using the SDIR form.

234. The SDIR form is completed in English language.

235. The presentation of values in the SDIR form, including those used for the calculation, where necessary, are in international standard format e.g. 1,000 representing one thousand and 1.0 representing one. The units used are accompanied by their equivalent S.I. units/norms (thousand/million) as part of the requirement to ensure transparency and clarity.

236. The SDIR form is to be completed without its format, font and headings being altered.

237. Project participants are encouraged to refer to, as appropriate, the related local and/or national regulations and guidelines in their preparation of SDIR.

E.6.2.2. Submission of SDIR by a Project Participant

238. The Project Participants prepare a sustainable development implementation report (hereinafter referred to as “SDIR”) which consists of a completed “Sustainable Development Implementation Report Form” using the latest version of that form in line with the SDIP and SDIR guidelines provided in this manual, the SDIP positively reviewed by the

Secretariat, and submit the SDIR together with supporting documentation, as appropriate, to the Joint Committee through the Secretariat at the time of the submission of the draft monitoring report in line with paragraph 223 above.

239. List of documents to be submitted:

a. Sustainable Development Implementation Report (SDIR) Form [Annexure-2.9]

b. Supporting documents, as applicable

240. Mode of submission and communication:

a. All documents related to SDIR are to be submitted by the Project Participant on India's Article 6 portal or the JCM website.

E.6.2.3. Assessment by the Secretariat

241. The Secretariat notifies the receipt of the submission of the SDIR to the Project Participants by electronic means.

242. Upon receiving the SDIR, the Secretariat conducts an evaluation of the SDIR, including on-site visit where necessary.

243. During the evaluation, the Secretariat may interact with the Project Participants on specific issues regarding the SDIR.

244. The Secretariat notifies the Project Participants by electronic means during the period of evaluation specified in paragraph 242 above if negative impacts of the project on sustainable development are identified without appropriate description on the corrective action. The SDIR is deemed positively evaluated if no negative impacts are identified or appropriate description on the corrective action is properly addressed during the period of evaluation.

245. In case negative impacts of the project on sustainable development are identified without appropriate description on the corrective action, the Project Participants may submit the revised SDIR to the Joint Committee through the Secretariat within sixty (60) calendar days from the date of notification by submitting the revised SDIR highlighting all revisions. The submission may be accompanied by additional documents which help explain the revisions.

246. The Secretariat conducts re-evaluation of the revised SDIR.

247. The Secretariat notifies the Project Participants by electronic means if negative impacts of the project on sustainable development are identified without appropriate description on the corrective action.

248. If negative impacts of the project on sustainable development are identified without appropriate description on the corrective action, the Project Participants may repeat SDIR revision for re-evaluation as specified in paragraphs 245 to 247 above.

E.6.3. Review of Project Documents for Issuing JCM Credits

E.6.3.1. Submission of Project Documents by Project Participant Issuing JCM Credits

249. The Project Participants may request the Joint Committee to issue credits to their respective accounts in the registry, only after the TPE verifies the amount of GHG emission reductions or removals and the SDIR has been positively assessed by the Secretariat. For raising the request, the Project Participants submit the completed "Credits Issuance Request Form" using the latest version of that form, including information on the allocation of credits among the Project Participants and both governments in tonnes of CO2 equivalent in line with the credit allocation decided in paragraph 202, the verified monitoring report, the verification report, and the positively evaluated SDIR by electronic means.

250. List of documents to be submitted:

a. Monitoring Report Sheet [Annexure-2.7]

b. Verification Report Form filled by TPE [Annexure-2.15]

c. Credits Issuance Request Form [Annexure-2.17]

d. Sustainable Development Implementation Report (SDIR) form [Annexure-2.9]

e. Supporting documents, as applicable

251. Mode of submission and communication:

a. Project Participant submits the request for credit issuance along with the required documents on India's Article 6 portal or the JCM website.

b. The Secretariat notifies the receipt of the request for issuance to the Project Participants by electronic means.

c. To withdraw the request for credit issuance, Project Participant may submit a completed "Issuance Request Withdrawal Form" [Annexure-2.23] on India's Article 6 portal or the JCM website.

E.6.3.2. Processing by the Secretariat

252. The Secretariat receives all the documents submitted by Project Participants for the issuance of the JCM Credits, checks their completeness and then submits them to the respective competent authorities of the

Government of the Republic of India and the Government of Japan for their review and approval.

253. The Secretariat may interact with the Project Participants to seek clarification or additional information regarding their request for issuance of the JCM credits.

E.6.3.3. Approval by the Government of the Republic of India and the Government of Japan

254. The Government of the Republic of India and the Government of Japan review the issuance of credits through their respective competent authority.

255. Both governments may interact with the Project Participants through the Secretariat to seek clarification or additional information regarding the request to issue credits.

256. Both governments communicate their approval or rejection of the request for issuance of credits, and any related concerns to the Joint Committee.

E.6.3.4. Adoption of Decision by Joint Committee

257. On the basis of approval or rejection communicated by Government of the Republic of India and Government of Japan, Joint Committee adopts the decision to:

a. Issue JCM credits in line with the latest credit allocation form of the project which has been approved by both governments; or

b. Not issue JCM credits.

258. The Joint Committee adopts the decision regarding issuance of JCM Credits within sixty (60) calendar days from the date on which the Project Participant has fulfilled all of the following requirements:

a. all relevant documents have been submitted and are complete; and

b. all clarifications and additional information, if any, requested by the Government of the Republic of India and/or the Government of Japan have been provided by the Project Participant.

259. Upon adoption of decision by the Joint Committee, the Secretariat notifies each government, the Project Participants and the TPE of the decision.

E.6.4. Issuance of JCM Credits

260. Upon Joint Committee's adoption of the decision to issue JCM credits, the following steps are followed in the given sequence:

a. Government of the Republic of India issues all JCM credits in India's Article 6 Registry.

b. Letters of Authorization are issued by Government of the Republic of India and Government of Japan for Japan's share of JCM Credits.

c. Government of the Republic of India notionally cancels Japan's share of JCM Credits in India's Article 6 Registry, and then communicates the same to Government of Japan

d. Government of Japan issues Japan's share of JCM Credits in JCM registry of Japan, and then communicates the same to Government of the Republic of India.

261. Both governments ensure that the quantity of JCM credits issued in the respective registry accounts of Project Participants and governments, is same as the approved credit allocation form for the JCM project.

262. The Secretariat archives all the data of issuance of credits and makes them publicly available through India's Article 6 portal and the JCM website.

E.6.5. Authorization of Japan's Share of JCM Credits

E.6.5.1. Submission of Initial Report and Letter of Authorization for the JCM to the UNFCCC Secretariat by India and Japan respectively

263. The Government of the Republic of India and the Government of Japan report the Article 6.2 cooperative approach (i.e. the Joint Crediting Mechanism) between India and Japan and JCM activities in the respective initial/ updated initial reports to the Paris Agreement's Centralized Accounting and Reporting Platform (CARP).

264. The Government of the Republic of India and the Government of Japan submit their respective letters of authorization for the cooperative approach between India and Japan (i.e. the Joint Crediting Mechanism) to the Paris Agreement's CARP.

E.6.5.2. Issuance of Letter of Authorization by India and Japan for Japan's Share of JCM Credits

265. After the Joint Committee adopts the decision to issue credits to Project Participant(s), the Government of the Republic of India and the Government of Japan issue their respective letters of authorization for Japan's share of JCM Credits for their use toward the achievement of Japan's NDC and/or

for the use towards other international mitigation purpose, consistent with Paragraph 260 and the guidance on cooperative approaches, referred to in Article 6, paragraph 2 of the Paris Agreement.

E.6.5.3. Corresponding Adjustments by India and Japan consistent with the guidance on Article 6 of the Paris Agreement

266. Consistent with the guidance on cooperative approaches referred to in Article 6, paragraph 2 of the Paris Agreement,

a. The Government of the Republic of India and the Government of Japan apply corresponding adjustments for the JCM credits issued in the JCM registry of Japan

b. Each government applies corresponding adjustments for the JCM credits that are authorized by it for use toward other international mitigation purposes.

E.7. Renewal of Crediting Period

E.7.1. Assessment of validity of reference emissions of the applied methodology

267. The Project Participants who wish to renew a project's crediting period, evaluate the validity of the reference emissions of the applied methodology.

268. Reference emissions are deemed to have validity for a project if five (5) years have not passed since:

a. the approval date of the methodology; or

b. the date of last positive assessment of reference emissions as decided by the Joint Committee for the project for that methodology.

269. If reference emissions are not deemed to have validity in line with paragraph 268 and do not fulfil the requirements described in the Methodology Guidelines, the Project Participants may submit a new methodology which would be applicable to the project, for adoption under the JCM in line with Section E.2 of this manual.

270. When the reference emissions are not deemed to have validity in line with paragraph 268 but fulfil the requirements described in the Methodology Guidelines, the Project Participants submit a request with relevant evidence to the Joint Committee through the Secretariat for assessment on validity of reference emissions, using the latest version of "Assessment of Reference Emissions Request Form" [Annexure-2.11].

271. Both governments assess the submission made under Paragraph 269 or 270, as applicable, in line with Section E.2 of this manual. The Joint Committee through the Secretariat communicates the outcome of the assessment to the Project Participants.

272. Based on the outcome of the assessment conducted under Paragraph 271, Project Participants update the PDD for renewal of crediting period and proceed to the validation process.

273. The Project Participants may request to revise the approved methodology when the assessment by the Joint Committee does not result in a positive outcome.

E.7.2. Validation of updated PDD for renewal of crediting period

274. The Project Participants who wish to renew crediting period of a JCM project, update its PDD applying the approved methodology, of which reference emissions are deemed to have validity in line with paragraph 268 or of which the validity of reference emissions is positively completed by the Joint Committee, or applying the revised approved methodology, in line with Section E.7.1. above.

275. When requesting the renewal of crediting period, the Project Participants submit the updated PDD to the TPE contracted by the Project Participants to perform validation of the JCM project and to the Joint Committee through the Secretariat for public inputs. Publication of the updated PDD is carried out in the same procedure as described in Section E.4.1. above.

276. The TPE, in line with the Validation and Verification Guidelines validates the JCM project as described in the updated PDD and the Modalities of Communication Statement Form as necessary in line with Section E.4.1. above.

E.7.3. Submission of request for renewal of crediting period

277. The Project Participants, after receiving a positive validation opinion by the TPE submit a request for renewal of crediting period of the registered JCM project using the Renewal of Crediting Period Request Form [Annexure-2.18] together with the updated PDD, the validation report and a completed Credit Allocation Form [Annexure-2.16] using the latest version of that form to the Secretariat. Such a submission is made no earlier than two hundred and seventy (270) calendar days prior to, but no later than one year after, the expiry of the crediting period.

E.7.4. Review of request by Indian and Japanese Secretariats

278. The Secretariat processes a submission in line with Section E.4.3. above.

E.7.5. Approval by the Government of the Republic of India and the Government of Japan

279. The Government of the Republic of India and Government of Japan review the request for renewal of crediting period through their respective competent authority.

280. Both governments communicate their approval or rejection of the request for renewal of crediting period, and any related concerns to the Joint Committee.

E.7.6. Adoption of Decision by Joint Committee

281. The Joint Committee adopts the decision to approve or reject the request for renewal of the crediting period of the JCM project. When the Joint Committee adopts the decision to renew the crediting period of the JCM project, the same procedure is carried out as described in Section E.4.3.4. The new crediting period starts immediately after the expiration of the first crediting period.

E.8. Project Modification and Withdrawal

282. When the project has been changed from the registered PDD, methodology and/or positively reviewed SDIP, those changes are classified into the following:

a. Changes determined by the TPE that do not prevent the use of the applied methodology;

b. Changes identified by the Project Participants prior to verification or by the TPE during verification that would prevent the use of the applied methodology;

c. Changes identified by the Project Participants or determined by the TPE that prevent the use of the applied methodology; or

d. Changes identified by the Project Participants that would affect the applicability of the reviewed SDIP.

283. If changes are classified into paragraph 282(a), the Project Participants revise the PDD and submit it for the first issuance request subsequent to the revision.

284. If changes are classified into paragraph 282 (b) or 282 (d), the Project Participants proceed with the process described in paragraphs 286 and 287 below.

285. If changes are classified into paragraph 282 (c) the Project Participants withdraw the project in line with section E.8. The Project Participants may re-submit a request for registration for the withdrawn project in line with Section E.4.

286. Submission of request for approval of changes:

a. The Project Participants obtain approval of changes by the Joint Committee prior to the submission of the request for issuance of credits in cases described in paragraphs 282 (b) or 282 (d).

b. To obtain approval from the Joint Committee for the changes that would prevent the use of methodology, the Project Participants submit a completed “Post-Registration Changes Request Form” using the latest version of that form and a revised PDD to the Secretariat by electronic means.

c. To obtain approval from the Joint Committee for the changes that would affect the applicability of the reviewed SDIP, the Project Participants submit a completed “Post-Registration Changes Request Form”, a revised SDIP and a revised PDD where necessary to the Secretariat by electronic means.

287. Processing request for approval of changes:

a. The Secretariat prepares and maintains a publicly available list of all submitted requests for approval of changes through India's Article 6 portal and the JCM website.

b. Upon receipt of the request for approval of changes, the Secretariat undertakes a completeness check and then prepares and sends a summary note on the request to the Joint Committee with a recommendation on the course of action, or with a notification that the case will be considered by the Joint Committee.

c. If the Secretariat, during the preparation of the summary note, identifies issues that require clarifications from Project Participants, it requests the Project Participants to submit revised documents and/or information to clarify the issues within fourteen (14) calendar days of the notification of the request by the Secretariat. In this case, the Secretariat, notwithstanding the matter in paragraph above, finalizes the summary note and sends it to the Joint Committee. If the Project Participants do not submit the requested documents and/or information by this deadline, the Secretariat suspends the process for the request for approval of changes.

d. If the Secretariat, during the preparation of the summary note, identifies issues that require inputs from a relevant expert, it seeks guidance from an expert engaged as per paragraph 63 under Section C.2.4. In this case, the Secretariat, notwithstanding the matters in paragraphs (b) and (c) above, finalizes the summary note and sends it to the Joint Committee.

e. Upon receiving the summary note from the Secretariat, the Joint Committee adopts the decision on the request for approval of changes, with prior approvals of the Government of the Republic of India and the Government of Japan.

f. Once a decision has been adopted by the Joint Committee, the Secretariat informs the Project Participants of the decision and any guidance provided by the Joint Committee as applicable and makes the decision and such guidance publicly available through India's Article 6 portal and the JCM website.

g. If the decision and guidance provided by the Joint Committee requires further revision of the revised PDD and/or the revised SDIP, the Project Participants revise the PDD and/or the SDIP in line with the guidance and submit the revised PDD and/or the revised SDIP reflecting the guidance to the Joint Committee through the Secretariat. The Secretariat makes the revised PDD publicly available as the

revised registered PDD through India's Article 6 portal and the JCM website. This version of the registered PDD is applied for future requests for issuance of credits.

h. If the request for approval of changes is approved without guidance by the Joint Committee, the Secretariat makes the revised PDD publicly available through India's Article 6 portal and the JCM website as the revised registered PDD. This version of the registered PDD is applied for future requests for issuance of credits.

i. If the request for approval of changes is not approved by the Joint Committee, the Project Participants can choose to withdraw the project in line with section E.8. or follow one of the procedures described in the subparagraphs i) to iii) below. In either procedure, the Project Participants notify the reference number which has already been issued to the registered JCM project, to the TPE and the Secretariat as applicable:

   i. In cases described in paragraph 282 (b), the Project Participants revise the PDD and the SDIP as necessary, submit a revised draft PDD to the TPE for validation and to the Secretariat for public inputs, and submit a revised SDIP to the Secretariat for a review as applicable;

   ii. In cases described in paragraph 282 (d) and the PDD is needed to be revised, the Project Participants revise the PDD and the SDIP, submit a revised draft PDD to the TPE for validation and to the Secretariat for public inputs, and submit a revised SDIP to the Secretariat for a review; or

   iii. In cases described in paragraph 282 (d) and the PDD is not needed to be revised, the Project Participants revise the SDIP and submit a revised SDIP to the Secretariat for a review.

288. The Project Participants may voluntarily withdraw a proposed or registered JCM project at any time.

289. For the following cases, the Project Participants submit a completed "Registration Request Withdrawal Form" [Annexure-2.21] using the latest version of that form to the Joint Committee through the Secretariat on India's Article 6 portal:

a. The Project Participants voluntarily wish to withdraw a request for registration;

b. The TPE has revised its validation or verification opinion based on new insights or information and has notified it to the Project Participants.

290. To voluntarily withdraw a registered JCM project, Project Participants submit a completed “Project Withdrawal Request Form” [Annexure-2.22] using the latest version of that form, to the Joint Committee through the Secretariat, on India’s Article 6 portal.

291. Upon receipt of the request for withdrawal, the Secretariat processes and submits the request and any supporting documents to the Government of the Republic of India and the Government of Japan respectively for review and approval. The Joint Committee, based on review and approvals received from both governments, adopts the decision on the withdrawal of the project from JCM.

292. Upon confirmation by the Secretariat:

a. For a withdrawal of a project, the project is marked as “withdrawn” on India’s Article 6 portal and the JCM website;

b. For a withdrawal of a request for registration, the request for registration is marked as “withdrawn” on India’s Article 6 portal and the JCM website;

c. For a withdrawal of a request for issuance, the request for issuance for the specified monitoring period is marked as “withdrawn” on India’s Article 6 portal and the JCM website.

293. In the event of an exceptional circumstance where the project is found to undermine the purpose of the JCM, changes to authorization of entities and/or authorization for the use of ITMOs can be applied based on a decision by the Joint Committee with prior approval of both governments.

E.9. Fees Payable at various stages of the Project Cycle

294. The fee payable by Project Participants to the Government of the Republic of India and to the Government of Japan at various stages of the JCM project cycle will be published by each government on India's Article 6 portal and the JCM Website respectively.

F. MONITORING AND REVIEW OF THE JOINT CREDITING MECHANISM

F.1. Review of Project Implementation under the JCM

295. The Joint Committee will review the implementation of projects registered under the Joint Crediting Mechanism on an annual basis. Information is submitted by the Project Participants in the Project Implementation Report Form (Annexure-2.14) and other documents.

F.2. Monitoring Use of JCM Credits by Indian and Japanese Entities

296. The Joint Committee will review the use of India and Japan's share of JCM credits on an annual basis. For this purpose, Indian and Japanese secretariats may collect relevant information from the Indian and Japanese registries.

F.3. Review of Consistency in Reporting of JCM and Corresponding Adjustments to the UNFCCC Secretariat by Indian and Japanese Governments

297. The Joint Committee, on an annual basis, will review the consistency in the reporting of the JCM to the UNFCCC Secretariat as a cooperative approach of Article 6, paragraph 2 of the Paris Agreement, and the corresponding adjustments applied for JCM Credits transferred as ITMOs, by the Government of the Republic of India and the Government of Japan.

F.4. Reconciliation of Indian and Japanese registries

298. The Indian and Japanese Secretariats will take necessary measures for the reconciliation of data between Indian and Japanese registries on a regular basis. For this purpose, Indian and Japanese secretariats may collect information from Indian and Japanese registries and Project Participants.

Annexure-1: Guidelines for Third Party Entities for Project Validation and Verification

1.1. Guidelines for Third Party Entities for Project Validation

299. Validation and/or verification commence(s) when the TPE enters into contract for validation and/or verification with the Project Participant.

300. Validation and verification of the project may be conducted by the same TPE. However, the TPE assigns different teams for verification and validation.

301. The TPE selects a competent team to perform the validation and verification of the project.

302. In carrying out its validation and verification work, the TPE:

a. Follows these Guidelines and integrates its provisions into the TPE's own quality management systems;

b. Applies the most recent decisions adopted by the Joint Committee;

c. Confirms the following aspects of the engagement in line with ISO 14064-3:2019:

i. type and objective: validation / verification;

ii. scope: boundaries, facilities, physical infrastructure, activities, technologies, processes, GHG source and sink, types of GHG, time period, secondary effects, and reference emissions (baselines);

iii. criteria: materiality and level of assurance.

d. Assesses the accuracy, conservativeness, relevance, completeness, consistency, and transparency of the information provided by Project Participants;

e. Determines whether information provided by the Project Participants is reliable and credible;

f. Applies consistent validation and verification criteria:

i. To the requirements of the applicable approved methodology;

ii. Among projects with similar characteristics such as a similar application of the approved methodology, use of technology, time period or region;

iii. To expert judgments, over time and among projects.

g. Bases its findings and opinions on objective evidence and conducts all validation and verification activities in line with JCM rules and guidelines;

h. Does not omit evidence that is likely to alter the validation and verification opinion;

i. Presents information in the validation and verification reports in a factual, neutral and coherent manner, documents all assumptions, provides references to background documents, and identifies changes made to documentation;

j. Safeguards the confidentiality of all information obtained or created during validation or verification.

303. Where the TPE applies sampling as a part of its validation and verification activities, the TPE samples in line with either the "Standard for sampling and surveys for CDM project activities and programme of activities" or any similar international standard or Article 6 guidelines.

304. In carrying out its validation activities, the TPE:

a. Decide whether the proposed JCM project complies with the requirements of the applied methodology(ies), these Guidelines and decisions adopted by the Joint Committee;

b. Assesses the claims and assumptions made in the project design document (hereinafter referred to as "PDD") and modalities of communication statement (hereinafter referred to as "Modalities of Communication Statement Form"). The evidence used in this assessment is not limited to that provided by the Project Participants.

305. The TPE assesses the information provided by the Project Participants.

306. In assessing information, the TPE applies the means of validation specified throughout these Guidelines, including but not limited to:

a. Document review;

b. Follow-up actions (e.g. on-site visit and interviews by telephone and/or email) as deemed necessary;

c. Reference to available information relating to projects or technologies similar to the proposed JCM project under validation.

307. Where no specific means of validation is specified, the TPE applies appropriate auditing techniques.

308. During the validation of a project, if the TPE identifies issues that require further elaboration, research or expansion in order to determine whether

the project meets the validation requirements, the TPE ensures that these issues are accurately identified, formulated, discussed and resolved in the validation report.

309. The TPE raises a CAR if one of the following situations occur:

a. The Project Participants have made mistakes in the PDD and the Modalities of Communication Statement Form;

b. The applicable validation requirements as defined in these Guidelines have not been met;

c. There is a risk that emission reductions or removals cannot be monitored or calculated.

310. The TPE raises a CL if information is insufficient or not clear enough to determine whether the validation requirements have been met.

311. The TPE raises a Forward Action Request (FAR) during validation to identify issues related to project implementation that require review during the first and subsequent verifications of the project. The TPE does not raise a FAR regarding issues which can be resolved before verification.

312. The TPE resolves or "closes out" CARs and CLs only if the Project Participants modify the project design, rectify the PDD or provide additional explanations or evidence that satisfy the TPE's concerns. If this is not done, the TPE does not provide a positive validation opinion.

313. The TPE reports on all CARs, CLs and FARs in its validation report. This reporting explains the issues raised, the responses provided by the Project Participants, the means of validation of such responses and references to any resulting changes in the PDD or supporting annexes.

314. The TPE applies the reasonable assurance level for validation in line with ISO 14064-3: 2019.

(Project design document form)

315. The TPE determines whether the PDD was completed using the latest version of the PDD forms appropriate to the type of project and drafted in line with the PDD and Monitoring Guidelines.

316. The TPE provides a statement regarding the compliance of the PDD with relevant forms and guidance.

(Project description)

317. The TPE determines whether the description of the proposed JCM project in the PDD is accurate and complete and provides an understanding of the proposed JCM project, including malfunctioning of the project

equipment, discontinuation of the project, omission of data, and intentional misstatement or noncompliance with laws and regulations which could prevent the achievement of the planned emission reductions or removals.

318. The TPE should conduct an on-site visit as deemed necessary. For proposed JCM projects for which the TPE does not undertake an on-site inspection, the reasons are justified. The TPE may apply a sampling approach as deemed appropriate.

319. The TPE:

a. Describes the process conducted to validate the accuracy and completeness of the project description;

b. Provides an opinion on the accuracy and completeness of the project description;

c. Provides a justification if it has not conducted an on-site visit.

(Application of approved methodology(ies))

320. The TPE validates that the project is eligible for applying selected methodology and that the applied version is valid at the time of submission of the proposed JCM project for validation.

321. The TPE determines whether the methodology is correctly quoted and applied by comparing it with the actual text of the applicable version of the methodology.

322. If the PDD of a proposed JCM project is based on a previous version of a methodology whose validity has expired, the TPE requests the Project Participants to provide a revised PDD in line with this manual.

323. The TPE determines whether the project meets each eligibility criterion of the approved methodology or any other approved methodology component if referred to therein. This is done by checking the documentation referred to in the PDD and by reviewing comparable information as deemed necessary to confirm that the project meets the eligibility criteria of the methodology.

324. For each eligibility criterion listed in the approved methodology applied, the TPE describes the steps taken to assess the relevant information contained in the PDD against these criteria.

(Emission sources and calculation of emission reductions)

325. The TPE determines whether all relevant GHG emission sources covered in the methodology are addressed for the purpose of calculating project emissions and reference emissions for the proposed JCM project.

326. The TPE determines whether the values for project specific parameters to be fixed *ex ante* listed in the Monitoring Plan Sheet are appropriate, if applicable.

327. The TPE confirms the emission sources and GHGs based on documented evidence and corroborates it by a site visit where required.

328. If the methodology allows Project Participants to choose whether a source or gas is to be included, the TPE determines whether the Project Participants have justified that choice. The TPE determines whether the justification provided is reasonable, based on an assessment of supporting documented evidence provided by the Project Participants and corroborated by observations if required.

329. The TPE ensures that the Monitoring Spreadsheet is not altered, and its required fields are appropriately filled in.

330. If values for project specific parameters are fixed *ex ante*, the TPE determines whether all data sources and assumptions are appropriate and calculations are correct as applicable to the proposed JCM project.

331. The TPE describes how the validation of emission sources and GHG types has been performed, by detailing the documentation assessed and by describing its observations.

332. The TPE states whether the selected emission sources and GHG types are justified for the JCM project. When the TPE identifies emission sources that will be affected by the implementation of the proposed JCM project and which are significantly and reasonably attributable to the project and are not addressed by the applied approved methodology, the TPE informs the Project Participants of such findings by electronic means.

333. The TPE describes the steps taken to assess values for project specific parameters to be fixed *ex ante* in the Monitoring Plan Sheet and intermediate processes to derive the values. The TPE provides an opinion as to whether those are considered reasonable in the context of the proposed JCM project.

(Environmental and/or Social Impact Assessment)

334. The TPE determines whether the Project Participants conducted an environmental impact assessment, if required by India, in line with the India's procedures.

335. The TPE assesses the above requirements by means of a document review and/or using local official sources and expertise.

336. The TPE indicates whether the Project Participants have conducted an environmental impact assessment in line with procedures as required by India.

(Local stakeholder consultation)

337. The TPE determines whether the Project Participants have completed a local stakeholder consultation process and that due steps were taken to engage stakeholders and solicit comments for the proposed project.

338. The TPE determines, by means of document review and interviews with local stakeholders as appropriate, whether:

a. Comments have been invited from local stakeholders that are relevant for the proposed project;

b. The summary of the comments received as provided in the PDD is complete;

c. The Project Participants have addressed the concerns of local stakeholders by revising the PDD accordingly and have described this process in the PDD.

339. The TPE:

a. Describes the steps taken to assess the adequacy of the local stakeholder consultation;

b. Provides an opinion on the adequacy of the local stakeholder consultation.

(Monitoring)

340. The TPE determines whether the description of the monitoring plan (Monitoring Plan Sheet and Monitoring Structure Sheet) is based on the approved methodology and/or PDD and Monitoring Guidelines.

341. The TPE determines whether the monitoring points for measurement are appropriate, as well as whether the types of equipment to be installed are appropriate if necessary. The TPE determines whether the uncertainty has been addressed appropriately.

342. The TPE applies a two-step process to meet the above requirements:

a. To assess compliance of the monitoring plan with the approved methodology and PDD and Monitoring Guidelines, the TPE:

i. Identifies the list of parameters required by the applied methodology by means of document review;

ii. Confirms that they are described and that the means of monitoring described in the plan complies with the requirements of the methodology.

b. To assess the implementation of the plan the TPE assesses whether:

i. The monitoring structure described in the Monitoring Structure Sheet of the monitoring plan are feasible within the project design;

ii. The means of implementation of the monitoring plan, including the data management, quality assurance, and quality control procedures, are sufficient for ex post reporting and verification.

343. The TPE:

a. States its opinion on the compliance of the described monitoring plan with the requirements of the methodology and/or PDD and Monitoring Guidelines;

b. States its opinion on the Project Participants' ability to implement the described monitoring plan including feasibility of monitoring structure.

(Public Inputs)

344. The TPE ensures that all public inputs on the PDD of the proposed JCM project this Operational Manual are taken into due account by the Project Participants.

345. The TPE reviews all public inputs on the PDD of the proposed JCM project submitted in line with the Project Cycle Procedure.

346. The TPE conducts interviews with the Project Participants as necessary to determine whether the Project Participants have taken due account of the public inputs.

347. The TPE reports the details of the actions taken to take due account of the inputs received during the public inputs.

(Modalities of Communication Statement)

348. The TPE validates the corporate identity of all Project Participants and a focal point included in the Modalities of Communication Statement Form, as well as the personal identities, including specimen signatures and employment status, of their authorized signatories.

349. The TPE validates that the Modalities of Communication Statement Form has been correctly completed and duly authorized.

350. The TPE validates the requirements delineated in paragraph 348 above through:

a. Directly checking evidence for corporate, personal identity and other relevant documentation;

b. Notarized documentation; or

c. Written confirmation from the Project Participant that submits to it the Modalities of Communication Statement Form that all corporate and personal details, including specimen signatures, are valid and accurate.

351. When the TPE validates identity by applying paragraph 350(c) above, the TPE ensures that the Modalities of Communication Statement Form is received from a Project Participant with whom the TPE has a contractual relationship.

352. When the TPE validates identity by applying paragraph 350(c) above, the TPE ensures that the official who submits the Modalities of Communication Statement Form to the TPE and the official who signed the written confirmation (if a different person) is/are duly authorized to do so on behalf of the respective Project Participant.

353. If the TPE is unable to validate the requirements by applying paragraph 350 (a), (b) or (c) above then the TPE may perform further validation activities in order to confirm that the corporate and personal details, employment status and specimen signatures included in the Modalities of Communication Statement Form are valid and accurate and comply with the requirements of this section.

354. The TPE checks that:

a. the latest version of the form for the Modalities of Communication Statement Form has been used;

b. The information required as per the form for the Modalities of Communication Statement Form is correctly completed.

355. The TPE describes how it has performed due diligence on the Modalities of Communication Statement Form in line with the requirements established in these Guidelines.

356. The TPE describes how the Modalities of Communication Statement Form complies with all relevant forms and requirements.

(Avoidance of double registration)

357. The TPE determines whether the proposed JCM project is not registered under other GHG mitigation crediting mechanisms.

358. The TPE receives a written confirmation in the Modalities of Communication Statement Form from the Project Participants that the

proposed JCM project is not registered under other GHG mitigation crediting mechanisms.

359. In addition to the above, the TPE conducts, at a minimum, a search on the websites of Article 6.4 mechanism (Paris Agreement Crediting Mechanism) and voluntary carbon market standards to check whether the projects with similar technology and location have been registered. When projects with similar technology and location are found, the TPE ensures, through document review and/or interviews with the Project Participants on whether the proposed JCM project differs from projects registered under other GHG mitigation crediting mechanisms.

360. The TPE provides an opinion on whether the proposed JCM project is not registered under other GHG mitigation crediting mechanisms.

(Ownership)

361. The TPE assesses whether the Project Participants have the right to claim emission reductions or removals.

362. The TPE receives contracts from the Project Participants to clarify that no other entity has the right to claim emission reductions or removals.

363. The TPE conducts interviews with the Project Participants as necessary to determine whether the Project Participants have the right to claim emission reductions or removals.

364. The TPE provides an opinion on whether the Project Participants have the right to claim emission reductions or removals.

(Materiality)

365. The TPE uses the concept of materiality for validation in line with ISO 14064-3:2019.

366. The threshold of materiality for validation is set as below:

a. 0.5% of the emission reductions or removals for projects achieving a total emission reduction or removal equal to or more than 500,000 tCO_2eq per year.

b. 1% of the emission reductions or removals for projects achieving a total emission reduction or removal of between 300,000 and 500,000 tCO_2eq per year;

c. 2% of the emission reductions or removals for projects achieving a total emission reduction or removal of 300,000 tCO_2eq per year or less.

(Start of operation)

367. The TPE validates the actual or expected date of start of the operations of the proposed JCM project.

368. The TPE conducts a review of documents and records of operation and performance as appropriate. The TPE should conduct an on-site visit as deemed necessary.

369. The TPE provides an opinion on the start of the operating date of the proposed JCM project.

1.2. Guidelines for Third Party Entities for Project Verification

370. Verification commence(s) after the TPE enters into contract for validation and/or verification with the Project Participant.

371. Validation and verification of the project may be conducted by the same TPE. However, the TPE assigns different teams for verification and validation.

372. The TPE selects a competent team to perform the verification of the project.

373. In carrying out its verification work, the TPE:

a. Follows the guidelines in this manual and integrates its provisions into the TPE's own quality management systems;

b. Applies the most recent decisions adopted by the Joint Committee;

c. Confirms the following aspects of the engagement in line with ISO 14064-3:2019:

i. type and objective: validation / verification;

ii. scope: boundaries, facilities, physical infrastructure, activities, technologies, processes, GHG source and sink, types of GHG, time period, secondary effects, and reference emissions (baselines);

iii. criteria: materiality and level of assurance.

d. Assesses the accuracy, conservativeness, relevance, completeness, consistency, and transparency of the information provided by Project Participants;

e. Determines whether information provided by the Project Participants is reliable and credible;

f. Applies consistent verification criteria:

g. To the requirements of the applicable approved methodology;

h. Among projects with similar characteristics such as a similar application of the approved methodology, use of technology, time period or region;

i. To expert judgments, over time and among projects.

j. Bases its findings and opinion on objective evidence and conducts all validation and verification activities in line with the rules and guidelines provided in this manual;

k. Does not omit evidence that is likely to alter the verification opinion;

l. Presents information in the verification reports in a factual, neutral and coherent manner, documents all assumptions, provides references to background documents, and identifies changes made to documentation;

m. Safeguards the confidentiality of all information obtained or created during verification.

374. Where the TPE applies sampling as a part of its validation and verification activities, the TPE samples in line with either the “Standard for sampling and surveys for CDM project activities and programme of activities” or any similar international standard or guidelines under Article 6.

375. In carrying out its verification activities, a TPE determines whether the project complies with the requirements of the applied methodology(ies), this manual, and decisions adopted by the Joint Committee.

376. Main focus of verification activities is given to the assessment of the following aspects:

a. The eligibility criteria which are stipulated in the applied methodology of the implemented project are satisfied;

b. The data used in monitoring reports is credible and reliable;

c. Double registration is avoided;

d. There are no post registration changes which prevent the use of the applied methodology.

377. The assessment described in paragraph 375 above involves a review of relevant documentation as well as an on-site visit(s) at least for the first verification.

378. In addition to the documentation concerning monitoring activity, the TPE reviews:

a. The registered PDD, including any approved changes from the registered PDD and the corresponding validation opinion;

b. The validation report;

c. Previous verification reports, if any;

d. The applied methodology;

e. The monitoring report to verify that it is as per the corresponding Monitoring Plan Sheet to the applied methodology;

f. Any other information and references relevant to the project's emission reductions or removals (e.g. IPCC reports, data on laboratory analysis and national regulations);

g. The written confirmation of the avoidance of double registration.

379. In addition to reviewing the monitoring documentation, the TPE determines whether the Project Participants have addressed the FARs identified during validation or previous verification(s).

380. When verifying the reported emission reductions or removals, the TPE confirms that there is an audit trail that contains the evidence and records that validate or invalidate the stated values in the Monitoring Report Sheet. It includes the source documents that form the basis for calculations and other information underlying the emission reductions or removals.

381. When assessing the audit trail, the TPE:

a. Addresses whether there is sufficient evidence available, both in terms of frequency (time period between evidence) and coverage (in covering the full monitoring period);

b. Addresses the source and nature of the evidence (external or internal, oral or documented).

382. The TPE only verifies emission reductions or removals that are based on verifiable evidence.

383. Where no specific means of verification is specified, the TPE applies appropriate auditing techniques.

384. The TPE identifies, discusses and resolves in the verification report issues related to the monitoring, implementation and operations of the registered/validated project that could impair the capacity of the registered/validated project to achieve emission reductions or removals or influence the monitoring and reporting of emission reductions or removals.

385. The TPE raises a CAR if one of the following situations occur:

a. Non-compliance with the eligibility criteria of the applied methodology is found in implementation and operation of the project, or if the evidence provided to prove conformity is insufficient;

b. Modifications, which prevent the use of the applied methodology, to the implementation, operation and monitoring of the registered/validated project has not been sufficiently documented by the Project Participants;

c. Mistakes have been made in applying assumptions, data or calculations of emission reductions or removals that will impact the quantity of emission reductions or removals; or

d. Issues identified in a FAR during validation or previous verification(s) to be verified have not been resolved by the Project Participants.

386. The TPE raises a CL if information is insufficient or not clear enough to determine whether the applicable requirements of the applied methodology and the PDD have been met.

387. All CARs and CLs raised by the TPE during verification are resolved prior to submitting a request for issuance of credits.

388. The TPE raises a FAR during verification for actions if the monitoring and reporting require attention and/or adjustment for the next verification period.

389. The TPE reports on all CARs, CLs and FARs in its verification report. This reporting is conducted in a transparent manner that allows the reader to understand the issue raised, the responses provided by the Project Participants, the means of verification of such responses and references to any resulting changes in the monitoring report or supporting annexes.

390. The TPE applies the reasonable assurance level for verification in line with ISO 14064-3: 2019.

391. The TPE uses the concept of materiality for verification in line with ISO 14064-3: 2019.

392. The threshold of materiality for verification is set as below:

a. 0.5% of the emission reductions or removals for projects achieving a total emission reduction or removal equal to or more than 500,000 tCO_2eq per year.

b. 1% of the emission reductions or removals for projects achieving a total emission reduction or removal of between 300,000 and 500,000 tCO_2eq per year;

c. 2% of the emission reductions or removals for projects achieving a total emission reduction or removal of 300,000 tCO_2eq per year or less.

393. The application of the concept of materiality and reasonable level of assurance implies that some data or information may not be checked. However, the TPE should design its verification and sampling plans to detect all material errors, omissions or misstatements, and any unchecked data or information should not contain any material errors, omissions or misstatements.

394. A TPE's verification opinion applies to 100 per cent of the data and information, even if the TPE may not have checked the entire data set and information.

(Compliance of the project implementation with the eligibility criteria of the applied methodology)

395. The TPE determines the conformity of the actual project and its operation with the eligibility criteria of the applied methodology.

396. The TPE assesses, by means of an on-site visit, that physical features of the project are in place and that the Project Participants have operated the project as per the eligibility criteria of the applied methodology. If an on-site visit is not conducted after the first verification, the TPE justifies the rationale of the decision.

397. For each monitoring period, the TPE reports the compliance with the eligibility criteria of the applied methodology.

(Assessment of the project implementation against the registered PDD or any approved revised PDD)

398. The TPE assesses the status of the actual project and its operation with the registered/validated PDD or any approved revised PDD.

399. The TPE assesses, by means of an on-site visit at least for the first verification, that physical features of the project in the registered/validated PDD are in place and that the Project Participants have operated the project as per the registered/validated PDD or any approved revised PDD.

400. For each monitoring period, the TPE reports changes from the registered or validated PDD or any approved revised PDD.

(Compliance of calibration frequency and correction of measured values with related requirements)

401. If monitoring of parameters related to the GHG emission reductions or removals of a project has been conducted by measuring equipment (monitoring Option C defined in the PDD and Monitoring Guidelines), the TPE determines whether the measuring equipment has been properly calibrated in line with the monitoring plan and whether measured values are properly corrected, where necessary, to calculate emission reductions or removals in line with the PDD and Monitoring Guidelines.

402. If monitoring of parameters related to the GHG emission reductions or removals of the project has been conducted by measuring equipment (monitoring Option C defined in the PDD and Monitoring Guidelines), the TPE determines whether the measuring equipment has been properly calibrated in line with the monitoring plan.

403. If the measuring equipment is:

a. Properly calibrated in line with the monitoring plan, the TPE determines whether the measured values are properly corrected, where necessary, to calculate emission reductions or removals in line with the PDD and Monitoring Guidelines;

b. Not properly calibrated in line with the monitoring plan, the TPE determines whether the result of a delayed calibration is allowed to be used to calculate emission reductions or removals in line with the PDD and Monitoring Guidelines. If the result of a delayed calibration is:

i. Allowed to be used, the TPE determines whether the measured values are properly corrected, where necessary, based on the result of the delayed calibration in line with the PDD and Monitoring Guidelines;

ii. Not allowed to be used, the measured values are not used for that monitoring period.

404. Where using the result of a delayed calibration is allowed as described in paragraph 403(b)(i), if the results of the delayed calibration are not available or the calibration has not been conducted at the time of verification, the TPE requests, prior to finalizing verification, the Project Participants to conduct the required calibration.

405. In cases where the TPE determines that it is not possible for the Project Participants to conduct the calibration at a frequency specified by either the applied methodology and/or the registered monitoring plan due to reasons beyond the control of Project Participants, the TPE seeks guidance from the Joint Committee.

406. The TPE lists each parameter which has been monitored by measuring equipment and states whether the calibration of the measuring equipment is properly conducted in line with the monitoring plan and whether the measured values are appropriately corrected, if necessary, in line with the PDD and Monitoring Guidelines.

(Assessment of data and calculation of GHG emission reductions)

407. The TPE assesses the data and calculations of GHG emission reductions or removals achieved by/resulting from the project by the application of the selected approved methodology. The TPE determines whether the uncertainty has been addressed appropriately.

408. The TPE determines whether:

a. The corresponding Monitoring Report Sheet of the applied methodology has been used;

b. A complete set of data for the specified monitoring period is available. If partial data are unavailable, the TPE either gives negative verification opinion for that time period during which the data are unavailable in the monitoring period or seeks guidance from the Joint Committee;

c. Information provided in the monitoring report has been checked with sources such as plant logbooks, inventories, purchase records, laboratory analysis;

d. Any assumptions used in emission calculations have been justified;

e. Appropriate emission factors, default values, and other reference values have been correctly applied.

409. The verification report contains:

a. A confirmation that appropriate Monitoring Report Sheet of the applied methodology has been used;

b. A confirmation that a set of data for the specified monitoring period was complete, or a list of actions taken by the TPE in line with the guidance from the Joint Committee when data was partially unavailable;

c. A description of how the TPE checked reported data;

d. An opinion as to whether assumptions, emission factors, default values, and other reference values that were applied in the calculations have been justified.

(Assessment of avoidance of double registration)

410. The TPE determines whether the project is not registered under other GHG mitigation crediting mechanisms.

411. The TPE receives a written confirmation from the Project Participants that the project is not registered under other GHG mitigation crediting mechanisms.

412. In addition to the above, the TPE conducts, at a minimum, a search on the website of the Article 6.4 mechanism (Paris Agreement Crediting Mechanism) and voluntary carbon market standards to check whether the projects with similar technology and location in India have been registered. When projects with similar technology and location are found, the TPE ensures, through document review and/or interviews with the Project Participants on whether the project differs from projects registered under other GHG mitigation crediting mechanisms.

413. The TPE provides an opinion on whether the project is not registered under other GHG mitigation crediting mechanisms.

(Post registration changes)

414. The TPE determines whether there are post registration changes from the registered PDD and/or methodology which prevent the use of the applied methodology.

415. If the TPE identifies that the project has been changed from the registered PDD and/or methodology and that change would prevent the use of the applied methodology, the TPE raises a CAR and requests the Project Participants to seek prior approval from the Joint Committee with respect to the acceptability of the changes.

416. The TPE continues verification following guidance from the Joint Committee.

417. Where the change which prevents the use of the applied methodology is identified during verification and the Joint Committee approves the change, the TPE indicates in the verification report the types of change, and how the CAR raised is addressed.

418. Where the change which does not prevent the use of the applied methodology is identified during verification, the TPE describes the types of change in the verification report.

Annexure-2: Forms

2.1. Project Idea Note (PIN) Form

Project Idea Note (PIN) Form

Date of Submission: [dd/mm/yyyy]

Reference number*: _____

(*For the Secretariat use only)

1. Title of the project

Title of the project should be self-explanatory and clearly indicate the activity leading to GHG emissions reductions / removals.

2. Activity type

Explain how the project falls under India's finalized list of activities to be considered for Article 6.2 mechanism.

3. Description of the project, including how the project reduces/removes GHG emissions

Explain how the project involves implementation of leading low-carbon technologies/ equipment/ machinery/ products/ systems/ infrastructure in India

Include details of the technology to be deployed in the project, such as: proposed installed capacity of the project, tangible and intangible value proposition vis-à-vis a similar purely commercial project, level of diffusion in India, experience of 'acquiring country Project Participant' in implementing and operating this technology globally, Technology Readiness Level (TRL) in India etc.

Explain the implementation structure, such as financial structure, money flow of the project, as far as possible.

Explain how the project and associated emission reductions/removals would contribute to the achievement of India's NDC and LT-LEDS and contribute to the long-term goals of the Paris Agreement.

4. Reasons and rationale for implementing the project under the JCM

Explain why the Project Participants propose to implement the project under the JCM, instead of a purely commercial project. Please also describe how the proposed project provides any benefits to the Republic of India, including contribution to sustainable development and any adaptation efforts in the Republic of India.

5. Location of the project

6. Expected schedule of the project

Expected starting date of operation	dd/mm/yyyy
Expected schedule up to the starting date of operation.	1. : dd/mm/yyyy 2. : dd/mm/yyyy 3. : dd/mm/yyyy *(Participants can add more rows here, if required)*

7. Duration of crediting period

(mention a crediting period less than or equal to 10 years)

8. Project Registration Status in other carbon crediting mechanisms

The proposed project is not registered/intended to be registered in any other carbon crediting programs during the proposed crediting period.

☐ Yes

9. Contribution from both sides

Please select and mention the type of financial contribution expected from Government of Japan and Japanese Project Participant(s) and Government of the Republic of India and Indian Project Participant(s) applicable to the proposed project.

Assumed Foreign Exchange Rate:

Indian Rupee (INR) = Japanese Yen (JPY)

Contribution Types:

*Check the applicable item

Contribution Type	**Government of Japan**	**Japanese Project Participant(s)**	**Government of the Republic of India** (includes contributions by sub-national	**Indian Project Participant(s)**

			governments)	
1. Subsidy and other forms of Government support (please specify)	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
2. CAPEX for project initiation (Please indicate the terms of finance)	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
3. OPEX for project operation	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
4. MRV cost	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
5. Upfront investment/ investment in pilot projects	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
6. Initial survey and study costs (such as feasibility study and environmental impact assessment)	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
7. Activities for technology transfer related to the project	☐ Technology deployment ☐ Technology diffusion ☐ Technology transfer	☐ Technology deployment ☐ Technology diffusion ☐ Technology transfer	☐ Technology deployment ☐ Technology diffusion ☐ Technology transfer	☐ Technology deployment ☐ Technology diffusion ☐ Technology transfer

	(Description)	(Description)	(Description)	(Description)
8. Human resource development/capacity building (training costs for staff of Indian Project Participant(s))	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
9. Discounts (EPC costs, insurance premiums)	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
10. Waiver of preferential loans (low interest rates, interest subsidies, subordinated loans) and preferential treatment or rights in business participation (waiver of shareholder benefits, waiver of voting rights)	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
11. Commitment to offtake credit	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)
12. Other (please specify):	☐ (Description)	☐ (Description)	☐ (Description)	☐ (Description)

Contribution Value:

Total Contribution (A+B+C+D)	In Indian Rupee (INR): In Japanese Yen (JPY):

(A) Contribution by Japanese Project Participant(s)	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:
(B) Contribution by Indian Project Participant(s)	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:
(C) Contribution by the Government of Japan	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:
(D) Contribution by the Government of the Republic of India (includes contributions by sub-national governments)	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:

10. Applicable JCM Methodology(ies)

☐ Existing methodology(ies): *Please specify

☐ New methodology(ies) needed: *Briefly explain the proposed methodology

11. Expected Mitigation Outcome (GHG emission reductions/removals)

Type of Mitigation Outcome:

☐ GHG Emissions Reduction

☐ GHG Emissions Removal

Mitigation Outcome	Amount	Description
		Please explain how these numbers are calculated and the reason for their allocation.

A. Expected GHG emission reductions/ removals against reference emissions[1] (i.e. expected quantity of JCM credits)	tCO2eq/year (average over the crediting period)	
(optional) Credits to be allocated to Government of Japan and Japanese Project Participant(s)	%	
(optional) Credits to be allocated to Government of the Republic of India and Indian Project Participant(s)	%	
B. (optional) Expected GHG emission reductions/removals against Business-as-usual (BaU) emissions[2]	tCO2eq/year (average over the crediting period)	

[1] The reference emissions are established below BaU, in a manner that a proposed project contributes to the achievement of the NDC of India.

[2] BaU emissions represent plausible emissions in providing the same outputs or service level of the proposed JCM project in India.

12. Contact Information – Project Participants

Representative Japanese Project Participant:

1. Name of the Project Participant	
2. Description of the Project Participant	
3. Roles of the Project Participant in the project For e.g., Technology licensor/ Financier/ ITMO buyer/ Other (please specify)	
4. Contact Person:	
a. Name	

b. Designation	
c. Phone number	
d. E-mail ID	

(Please add tables below in case the proposed JCM project involves more than one Project Participant from Japan)

Other Japanese Project Participant(s):

1. Name of the Project Participant	
2. Description of the Project Participant	
3. Roles of the Project Participant in the project For e.g., Technology licensor/ Financier/ ITMO buyer/ Other (please specify)	
4. Contact Person:	
a. Name	
b. Designation	
c. Phone number	
d. E-mail ID	

Representative Indian Project Participant:

1. Name of the Project Participant	
2. Description of the Project Participant	
3. Roles of the Project Participant in the project For e.g., Technology licensor/ Financier/ ITMO	

buyer/ Other (please specify)	
4. Contact Person:	
a. Name	
b. Designation	
c. Phone number	
d. E-mail ID	

(Please add tables below in case the proposed JCM project involves more than one Project Participant from India)

Other Indian Project Participant(s):

1. Name of the Project Participant	
2. Description of the Project Participant	
3. Roles of the Project Participant in the project For e.g., Technology licensor/ Financier/ ITMO buyer/ Other (please specify)	
4. Contact Person:	
a. Name	
b. Designation	
c. Phone number	
d. E-mail ID	

13. Contact Information – Governments

Government of Japan:

1. Name of the relevant ministry or governmental agency	

2. Contact Person:	
a. Name	
b. Designation	
c. Phone number	
d. E-mail ID	

Government of the Republic of India:

1. Name of the relevant ministry or governmental agency	
2. Contact Person:	
a. Name	
b. Designation	
c. Phone number	
d. E-mail ID	

2.2. Proposed Methodology Form

Proposed Methodology Form

Cover sheet of the Proposed Methodology Form

Form for submitting the proposed methodology

Host Country	
Name of the methodology proponents submitting this form	
Sectoral scope(s) to which the Proposed Methodology applies	
Title of the proposed methodology, and version number	
List of documents to be attached to this form (please check):	☐The attached sample Project Design Document: ☐Additional information
Date of completion	

History of the proposed methodology

Version	Date	Contents revised

A. Title of the methodology

B. Terms and definitions

Terms	Definitions

C. Summary of the methodology

Items	Summary
GHG emission reduction measures	
Calculation of reference emissions	
Calculation of project emissions	
Monitoring parameters	
Reference Emissions calculation approach used	*(For e.g. best available technology, benchmark, historical, etc.)*
Justification for the approach selected for calculating Reference Emissions	
Downward adjustment – Year 1	
Downward adjustment – Subsequent years	

D. Eligibility criteria

This methodology is applicable to projects that satisfy all of the following criteria.

Criterion	Description
Criterion 1	
Criterion 2	
Criterion 3	

In addition to the above criteria, the project also satisfies the following criteria:

Criterion	Description
Contribution to the achievement of India's NDC and LT-LEDS	
Contribution to Long-term goals of the Paris Agreement	
Regulatory Additionality	*(Identify applicable domestic laws, rules, regulations and standards; confirm the activity represents mitigation exceeding what is required by domestic laws, rules, regulations and standards)*

E. Emission Sources and GHG types

Reference emissions	
Emission sources	**GHG types**
Project emissions	
Emission sources	**GHG types**

F. Establishment and calculation of reference emissions

F.1. Establishment of reference emissions (including downward adjustment)

F.2. Calculation of reference emissions

Year-1: XX,XXX,XXX tCO2eq

Year-2: XX,XXX,XXX tCO2eq

Year-3: XX,XXX,XXX tCO2eq

Year-4: XX,XXX,XXX tCO2eq

…

Year-N: XX,XXX,XXX tCO2eq

G. Calculation of project emissions

Year-1: XX,XXX,XXX tCO2eq

Year-2: XX,XXX,XXX tCO2eq

Year-3: XX,XXX,XXX tCO2eq

Year-4: XX,XXX,XXX tCO2eq

…

Year-N: XX,XXX,XXX tCO2eq

H. Calculation of emissions reductions

Year-1: XX,XXX,XXX tCO2eq

Year-2: XX,XXX,XXX tCO2eq

Year-3: XX,XXX,XXX tCO2eq

Year-4: XX,XXX,XXX tCO2eq

…

Year-N: XX,XXX,XXX tCO2eq

I. Data and parameters fixed *ex ante*

The source of each data and parameter fixed *ex ante* is listed as below.

Parameter	Description of data	Source	Uncertainty (%) and method for estimating and accounting uncertainty

J. Leakage, Reversal and Non-Permanence

J.1 Leakage

Potential leakage source	Applicable to the proposed project?	Measures to be taken to avoid or minimize leakage	Data sources
Baseline equipment transfer This source of leakage is relevant where: (i) Equipment used within the activity boundary prior to the implementation of the JCM activity would continue to be used in the baseline scenario and is being	☐ Yes ☐ No	*(for e.g., permanent decommissioning and scrapping, certified disposal, etc.)*	

replaced under the JCM activity scenario; **and** (ii) The replaced equipment is functional, has a value for third parties and could continue to be used outside of the activity boundary where it may potentially displace less GHG intensive processes			
Competition for resource use This source of leakage is relevant where: (i) The JCM activity increases, relative to the baseline scenario, the consumption of resources that have competing uses; (ii) The availability of the resources is limited within the relevant geographical area; **and** (iii) The potential diversion of the resources from other uses to the JCM activity could lead to an increase in GHG emissions or decrease of removals outside the activity boundary	☐ Yes ☐ No (Note: May not apply to fossil fuels or mineral products considering that their availability can be expanded through increased extraction in case of increased demand.)	*(for e.g., demonstrate resource abundance, use wastes and residues, etc.* *)*	
Diversion of existing production processes or outputs This source of leakage is relevant where: (i) The type(s) of output or level(s) of services provided under the JCM project	☐ Yes ☐ No	*(for e.g., demand and market assessment, upstream and downstream analysis, etc.)*	

changes compared to the baseline scenario; **and** (ii) The change could lead to an increase in emissions and/or a decrease in removals outside the activity boundary;			
Increases in release of GHGs from the environment as a result of implementing the JCM Project	☐ Yes ☐ No	*(for e.g., avoiding high-carbon stock areas, land eligibility screening, sustainable harvest limits, etc.)*	

J.2. Non-permanence

Measures to be taken to minimize the risk of non-permanence of emission reductions/removals (if applicable).

J.3. Reversal

GHG Reservoir(s)	Risk factors identified	Monitoring frequency (years)	Post-crediting monitoring required? (Y/N)	Measures to be taken to address reversals (if applicable)
For any activity with storage (biological, geological, products)			☐ Yes ☐ No	

2.3. Proposed Methodology Spreadsheet

(This spreadsheet is available in Excel format on India's Article 6 portal and JCM Website)

Proposed Methodology Spreadsheet Form (Input Sheet) [Attachment to Proposed Methodology Form]

Table 1: Parameters to be monitored *ex post*

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Monitoring point No.	Parameters	Description of data	Estimated Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments

Table 2: Project-specific parameters to be fixed *ex ante*

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values	Units	Source of data	Other comments

Table 3: *Ex-ante* estimation of GHG emission reductions

GHG emission reductions	Units
0	tCO_2eq/p

Reference Emissions calculation approach used	Reference emissions (tCO_2eq/yr) prior to downward adjustment	Method for Downward-adjustment	Downward-adjustment (tCO_2eq/yr OR % of reference emissions)	BaU (tCO_2eq/yr)	Notes on parameters & uncertainty treatment
(Identify and justify which of the approaches for e.g., best available technology, benchmark, historical, etc. is applied for the project)				*Quantify the conservative business-as-usual scenario emissions/removals*	*Summarize key parameters, data sources, assumptions, and how uncertainties or trends were addressed.*

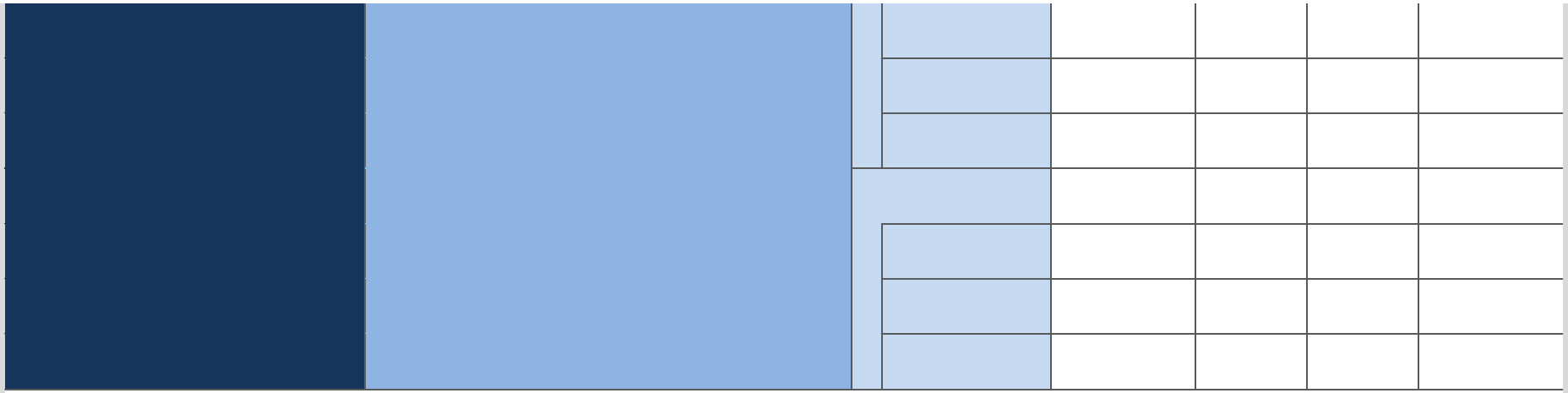
[Monitoring option]

Option A	Based on public data which is measured by entities other than the Project Participants (Data used: publicly recognized data such as statistical data)
Option B	Based on the quantity recorded in operational documents (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipment (Data used: measured values)

Proposed Methodology Spreadsheet Form (Calculation Process Sheet) [Attachment to Proposed Methodology Form]

1. Calculations for emission reduction/removal					Fuel type	Value	Units	Parameter
	Emission reduction/removal during the period *p1*					0	tCO_2eq/p	ER_p
	Emission reduction/removal during the period *p2*							
	Emission reduction/removal during the period *p3*							
	…							
2. Selected default values, etc.								

3. Calculations for reference emissions (after downward adjustment)								
	Reference emissions during the period *p1*						tCO_2e q/p	RE_p
	Reference emissions during the period *p2*							
	Reference emissions during the period *p3*							
	…							
4. Calculations of the project emissions								
	Project emissions during the period *p1*						tCO_2e q/p	PE_p
	Project emissions during the period *p2*							
	Project emissions during the period *p3*							
	…							



[List of Default Values]

2.4. Project Design Document (PDD) Form

Project Design Document (PDD) Form

A. Project description

A.1. Title and reference number of the project idea note (PIN) of the JCM project

Title	
PIN Reference Number	
PDD Version Number and Date	

A.2. Explain how the project falls under India's finalized list of activities to be considered for Article 6.2.

A.3. General description of project and applied technologies and/or measures

Describe the technologies/measures existing prior to the implementation of the proposed project at the same site, as applicable, including:

1. *Existing facilities, systems, practices and/or equipment:*
    - *List the facilities, systems, practices and/or equipment existing prior to the implementation of the proposed project at the same site.*
2. *Types and levels of services:*
    - *Specify the services provided by the existing facilities, systems, practices and/or equipment (such as the amount of a certain type of cement produced, the amount of electricity fed into the electricity grid, the production of timber, fuelwood or other biomass/bio-based products, provision of ecosystem/ ecological services such as watershed protection, habitat conservation, combating land degradation/ desertification, etc.).*
    - *Describe their relation, if any, to other facilities, systems and/or equipment outside the project boundary.*

3. *Arrangement of existing facilities:*
    - *Explain the arrangement of the existing facilities, systems, practices and/or equipment.*
4. *Age and lifetime of existing equipment:*
    - *Provide the age and average lifetime of the existing equipment based on the manufacturer's specifications and industry standards.*
5. *Installed capacities, load factors and efficiencies:*
    - *Provide the installed capacities, load factors and efficiencies of the existing equipment.*
6. *Energy and mass flows:*
    - *Describe the energy and mass flows and balances of the existing facilities, systems and/or equipment, if necessary.*
7. *Monitoring equipment:*
    - *Specify the monitoring equipment and their location in the systems.*

A.4. Describe the existing technologies/measures in the country prior to project implementation (business as usual scenario)

A.5. Provide reasons and rationale for implementing the project under the JCM

Explain why the Project Participants propose to implement the project under the JCM, instead of a purely commercial project. Please also describe how the proposed project provides any benefits to the Republic of India, including contribution to sustainable development and any adaptation efforts in the Republic of India.

A.6. Location of project, including coordinates

Country	
Region/State/Province etc.:	
City/Town/Community etc:	

Latitude, longitude	
Map of project location	

A.7. Name of Project Participants

India	
Japan	

A.8. Ownership and other roles

Ownership of the project	
Managing entity	
Other entities Involved in the Project	

A.9. Duration

Starting date of project operation	
Expected operational lifetime of project	
Type and duration of crediting period	
Starting date of crediting period (input the information when requesting a renewal of crediting period)	

A.10. Contribution from Japan

B. Application of an approved methodology(ies)

B.1. Selection of methodology(ies)

Selected approved methodology No.	

Version number	
Selected approved methodology No.	
Version number	
Selected approved methodology No.	
Version number	

B.2. Explanation of how the project meets eligibility criteria of the approved methodology

Eligibility criteria	Descriptions specified in the methodology	Does the project satisfy the criterion (Yes/No)	Describe how the project satisfies the criterion
Criterion 1		☐ Yes ☐ No	
Criterion 2		☐ Yes ☐ No	
Criterion 3		☐ Yes ☐ No	
…			

C. Calculation of emission reductions

C.1. All emission sources and their associated greenhouse gases relevant to the JCM project

Reference emissions		Consideration for reference emission calculations under JCM	
Emission sources	GHG type	Inclusion for	Justification

		calculation under JCM	
Project emissions		**Consideration for project emission calculations under JCM**	
Emission sources	**GHG type**	**Inclusion for calculation under JCM**	**Justification**

C.2. Figure of all emission sources and monitoring points relevant to the JCM project

C.3. Estimated emissions reductions in each year

Year	**(A)** **Estimated Reference emissions (tCO_2eq), after downward adjustment**	**(B)** **Estimated Project Emissions (tCO_2eq)**	**(C)** **Leakage of Emissions (tCO2eq)**	**(D)** **Estimated Emission Reductions (tCO_2eq)** **(D = A - B - C)**

Total (tCO_2eq)				

D. Environmental impact assessment	
Legal requirement of environmental impact assessment for the proposed project	

E. Local stakeholder consultation

E.1. Solicitation of comments from local stakeholders

Describe the steps/actions taken to invite comments, taking into account local and national circumstances.

Indicate how the consultation was conducted, including the date of the consultation and taking into account means that are appropriate for the local and national circumstances.

Describe how comments were received (e.g. in writing, orally, etc).

E.2. Summary of comments received and their consideration

Date of Consultation	**Stakeholders**	**Mode of Receiving Comments** (Written, Oral, etc.)	**Comments received**	**Consideration of comments received in the PDD**

F. Double counting and participation under other programs.	
Is the project receiving or seeking credits under another carbon crediting mechanism?	☐ Yes ☐ No If yes, provide details of the other carbon crediting mechanism (program name, registration number, date of inactivity; active status?), the volume of credits to be issued to the project under that mechanism. Justify how this will not lead to double issuance or double claiming.
Was the Project rejected by other programs?	☐ Yes ☐ No ☐ Not applicable If yes, provide details of the program, date of rejection and reasons for rejection.
Does the project ensure no double claiming compliance with carbon pricing mechanisms or legally binding emission limits?	☐ Yes
Is the project participating or intends to participate in any environmental credit systems?	☐ Yes ☐ No If yes, explain how the project will ensure no double claiming

G. References

Reference lists to support descriptions in the PDD, if any.

H. Annex

I. Revision History of PDD		
Version	**Date**	**Contents revised**

Annexure to PDD: Minimum Contents of the Feasibility Study

The feasibility study submitted with the PDD covers, at a minimum, the following topics and sub-topics. The study is prepared by a qualified independent party or, where prepared in-house, clearly discloses the authorship and any conflict of interest. The financial model underlying the study is submitted as a separate working Excel file alongside the feasibility study document.
The Feasibility Study submitted to the Joint Committee through the Secretariat is treated as strictly confidential. It will not be disclosed to any third party and will be used solely by the Secretariat and the Joint Committee for the purpose of evaluating the project's eligibility for approval and authorization under the India-Japan Joint Crediting Mechanism.

1. Market Analysis

1.1. Description of the primary output market (e.g. power, hydrogen, compressed bio-gas, sustainable aviation fuel, captured CO_2), including current and projected demand, pricing, and competitive landscape in India and if exports are planned then competitive landscape in foreign markets.

2. Raw Materials, Feedstock, Input Supply and Local Procurement

1.2. Classification and specification of all material inputs required (raw materials, components, factory supplies, utilities including power and water)
1.3. For feedstock-dependent technologies (e.g. compressed bio-gas, sustainable aviation fuel, green hydrogen, green ammonia, fuel cells): feedstock type, annual quantity, seasonal variations, quality specifications, and supply arrangements (contracted, Memorandum of Understanding/ Letter of Intent, or spot), with names of potential/current suppliers and contract tenure where applicable
1.4. For green hydrogen and green ammonia projects: status of captive renewable energy or renewable energy procurement arrangements

1.5. Assessment of supply risk, including alternative sourcing strategies and price volatility exposure
1.6. Estimated share of total procurement value (CAPEX and OPEX) sourced from domestic Tier 1 suppliers

3. Location, Site and Environment

1.7. Description and justification of the selected location and site, shown on appropriate maps
1.8. Site suitability assessment including geotechnical, hydrological, meteorological, and environmental baseline data as applicable to the technology
1.9. Site-specific risk assessment (seismic, flood, cyclone, and other natural hazards). The site-specific seismic hazard assessment should, at a minimum, correspond to the seismic zone assigned to the location and comply with the applicable provisions of the relevant Bureau of Indian Standards (BIS) codes. Where required, a more stringent, site-specific seismic hazard assessment may also be undertaken.
1.10. Status of land acquisition or lease
1.11. Infrastructure assessment, grid connectivity, road and port access, water supply, effluent disposal, and any other infrastructure critical to operations

4. Engineering and Technology

1.12. Plant rated/installed capacity; expected annual output and capacity factor/utilization rate with basis for assumption; production programme over the project lifetime including ramp-up and degradation profile
1.13. Description of the selected technology, including process flow, key technical parameters, and performance specifications
1.14. Technology Readiness Level in the Indian and global contexts, with reference to demonstrated deployments in India and globally
1.15. Assessment of at least three alternative technologies for achieving the same emission reduction objective, evaluated against Indian operating conditions, with quantified comparison of emission reduction potential and cost per tCO_2eq reduced/removed, and justification for the selection
1.16. Technology modularity, upgrade pathways with expected technology lifecycle
1.17. Identification of the technology provider(s) and means of acquisition (licensing, purchase, joint venture, or turnkey import)
1.18. Description of any formal technology transfer agreement, including coverage of: operating know-how and process documentation; training obligations with defined person-hours; rights to local adaptation or modification; duration and post-agreement knowledge retention rights; and

any other relevant details on the extent and nature of the technology transfer

1.19. Disaggregation of the technology package; sources of project elements (foreign, domestic, developed in-house)

1.20. Major equipment items with specifications and sources (domestic vs. imported); performance parameters under Indian operating conditions linked to emission-reduction-relevant parameters (e.g. electrolyser efficiency, turbine availability, capture rate); degradation profile and its impact on year-by-year emission reduction projections. The performance parameters *are* supported by test reports from NABL-accredited laboratories. Where Indian-accredited laboratory testing of the relevant technology is not feasible at the time of submission, a written explanation along with test reports from internationally accredited laboratories with a description of the accreditation standard applied are submitted.

5. Commissioning and Maintenance

1.21. Major replacement CAPEX expected during the crediting period (e.g. battery cells, electrolyzer stacks, catalysts), with estimated cost and timing

1.22. Outline of the maintenance system, preventive maintenance schedule, spare parts strategy, and requirements for specialist technical support from technology provider(s)

6. Organization and Human Resources

1.23. Organizational structure of the project entity, with an organogram

1.24. Estimated staffing levels by category (managerial, technical/engineering, skilled production, unskilled, etc.), and breakdown of local vs. expatriate personnel.

1.25. Training plan: curriculum scope, person-hours, qualified personnel for training delivery, timelines, and location (in-plant, at the technology provider's facility, or at external training institutes); whether the training plan is embedded in the technology agreement or EPC contract.

7. Project Implementation Schedule

1.26. Implementation timeline from financial close to commercial operation, broken into key phases

1.27. Identification of critical path activities and key milestone dates

1.28. Estimated pre-production expenditures, classified by phase

8. Financial Analysis and Investment Appraisal

The developer submits the financial model as a working Excel file with all formulae intact and assumptions clearly labelled. The feasibility study document contains a narrative discussion of the financial analysis for the points given below. Data points mentioned in the "Summary of Financial

Analysis" table given below are to be derived from the submitted financial model and are to be clearly mentioned in the financial model.
Note: Here, the term 'carbon credit revenue' or 'carbon revenue' refers to the revenue generated from the sale of India's share of JCM credits.

1.29. Provide a narrative discussion of the total project CAPEX, explaining the basis for the cost estimates (e.g. supplier quotations, EPC bids, feasibility-level estimates, or analogous project benchmarks)

1.30. Describe the composition of annual fixed and variable operating expenditure, identifying the principal cost drivers (e.g. feedstock, power, maintenance, personnel, insurance, land lease). Where major replacement CAPEX is expected during the crediting period (e.g. battery cells, electrolyser stacks, catalysts), discuss the basis for cost and timing estimates and confirm that such replacement costs are incorporated in the financial model used for Internal Rate of Return (IRR) and Net Present Value (NPV) calculations.

1.31. Provide a narrative interpretation of the base case IRR (unlevered and levered) and NPV results, both with and without carbon revenue. Discuss the magnitude of the carbon revenue uplift and what it implies for the project's dependence on carbon credit income. Where the project IRR without carbon revenue exceeds the hurdle rate, explain the financial additionality rationale for the project.

1.32. Hurdle rate; explicit build-up (risk-free rate, equity risk premium, technology/country premium, etc.) and justification with reference to comparable projects, Weighted Average Cost of Capital (WACC), or investor requirements.

1.33. Describe the project's revenue composition, identifying the primary activity revenue, carbon credit revenue, and any subsidies, incentives, or renewable energy certificates. For carbon credit revenue, state the price assumption used, the source of the price assumption, and the share of carbon revenue as a percentage of total annual revenue. Describe the status of offtake arrangements for the primary output (contracted, under negotiation). Where the project operates on a merchant or open-market basis for any portion of its output, discuss the revenue risk and the basis for the price assumptions used.

1.34. State the equity return expectation of the proponent or equity investor(s), expressed as a target nominal post-tax Return on Equity (RoE). Where multiple equity investors participate, state the range of return expectations across the investor group. Explain the basis for the stated expectation, with reference to investor-stated requirements, comparable project benchmarks in the same technology or sector, or established sector conventions.

1.35. Escalation assumptions; basis for CAPEX (if phased), OPEX, and revenue/tariff escalation rates (Wholesale Price Index/ Consumer Price Index, contractual terms, etc.)

1.36. Financing plan narrative; rationale for the proposed capital structure; description of financing sources and terms; status of lender engagement; justification for the use of concessional capital or capital from governments/ development finance institutions within the proposed capital structure; description of any first loss facility

1.37. If applicable - Describe the nature, provider, and terms of any concessional finance or government involvement in the project's financing structure.

1.38. If applicable - discuss the projected debt service coverage ratio (DSCR) profile over the loan tenure, including the minimum and average DSCR. Where the minimum DSCR falls below 1.20x, explain how the project intends to achieve bankability and whether any credit enhancement or cash sweep mechanism is contemplated.

1.39. Describe all risk mitigation instruments in place, under negotiation, or planned in connection with the project, including but not limited to: construction all-risks insurance; operational all-risks and business interruption insurance; performance guarantees from equipment suppliers or EPC contractors (including liquidated damages provisions); political risk insurance or investment guarantees; payment security mechanisms or offtake guarantees; currency hedging arrangements, and any other contractual risk allocation mechanism that materially affects the project's financial resilience.

1.40. Discussion of sensitivity and stress test results; for each of the ten mandatory scenarios specified in Part C of the Summary of Financial Analysis, along with a narrative interpretation of the results and identification of risk mitigation strategies for any scenario where the project fails or severe flags are raised.

1.41. Discussion of break-even capacity utilization under base case assumptions

1.42. Quantify and justify the viability gap in this project and explain how it will be addressed through the contributions by Project Participants and governments of India and Japan respectively under the JCM. Accordingly, provide estimates of the following, clearly and explicitly stating and explaining all calculations and assumptions:

1.42.1. The cost of the mitigation outcomes generated by the project (in INR/tCO2eq, JPY/tCO2eq and USD/tCO2eq), and

1.42.2. The effective price of ITMOs (in INR/tCO2eq, JPY/tCO2eq and USD/tCO2eq) which will be acquired by the Japanese Project

Participant(s) and/or the Government of Japan, considering their respective contributions to the project.

9. Summary of Financial Analysis

PART A Capital Costs & Financial Indicators	
Total Project CAPEX (INR Crore) Breakdown required. Consistent with India technology benchmarks within +/- 15%. State source of cost estimates (e.g. supplier quotes, feasibility study, EPC bid).	Total CAPEX: INR [_____] Crore (a) Equipment & technology: INR [_____] Cr (b) Civil & construction: INR [_____] Cr (c) Development & permitting: INR [_____] Cr (d) Land & site acquisition: INR [_____] Cr (e) Any other: _____ INR [_____] Cr (f) Contingency: INR [_____] ([_____] % of total CAPEX) Source of cost estimates: [_____]
Major Replacement CAPEX (if applicable) Significant capital replacements expected during crediting period ; e.g. battery replacement, electrolyzer stack overhaul, catalyst replacement. Exclude routine maintenance captured in OPEX.	☐ No major replacement CAPEX expected during crediting period. ☐ Yes; provide details below: **Item:** [_____] Estimated cost (₹): ₹ [_____] **Expected timing:** Year [_____] of operation Add rows if there are multiple replacement items. Include replacement CAPEX in the financial model used for IRR/NPV calculations.
CAPEX per Unit Output	CAPEX per unit: ₹ [_____] per [_____]

Total annualised CAPEX ÷ Annual output volume. State the unit clearly (e.g. ₹/MWh, ₹/kg H_2, ₹/tonne CBG, ₹/tCO_2eq captured).	Annualised CAPEX: ₹ [_____] Cr ÷ Annual output: [_____] = ₹ [_____] / [_____]
Annual Fixed OPEX (INR Crore / year)	INR [_____] Cr / year
OPEX per Unit Output Total annual OPEX ÷ Annual output volume. State unit clearly (e.g. ₹/MWh, ₹/kg H_2, ₹/tonne CBG, ₹/tCO_2eq captured).	OPEX per unit: ₹ [_____] per [_____] Annual OPEX: ₹ [_____] Cr ÷ Annual output: [_____] = ₹ [_____] / [_____]
Project Lifetime (years) Technical lifetime per manufacturer specification	[_____] years Source: [_____]
Carbon Abatement Cost (INR / tCO2eq) Formula: (NPV of CAPEX + NPV of total OPEX over project lifetime) / Total lifetime	Carbon abatement cost: INR [_____] / tCO2eq JPY [_____] / tCO2eq USD [_____] / tCO2eq Working:

tCO2eq emission reductions.	NPV of CAPEX: INR [_____] Cr + NPV of OPEX ([_____] yr horizon): INR [_____] Cr = Lifecycle cost: INR [_____] Cr Total lifetime emission reductions: [_____] tCO2eq over [_____] years
Effective Price of ITMOs to be acquired by Japan The effective price of ITMOs which will be acquired by the Japanese Project Participant(s) and/or the Government of Japan, considering their respective contributions to the project.	Effective Price of ITMOs to be acquired by Japan: INR [_____] / tCO2eq JPY [_____] / tCO2eq USD [_____] / tCO2eq
Hurdle Rate Used Technology-specific. Justify with reference to comparable projects, WACC, or investor requirements. State explicit build-up.	Hurdle rate: [_____] % Build-up: Risk-free rate: [_____] % + Equity risk premium: [_____] % + Country risk: [_____] % + Sector premium: [_____] %
Escalation Assumptions Annual escalation rates assumed in financial model. State basis.	**CAPEX escalation (if phased):** [_____] % p.a. Basis: [_____] **OPEX escalation:** [_____] % p.a. Basis: [_____] **Revenue/tariff escalation:** [_____] % p.a. Basis: [_____]

<table>
<tr><td>IRR and NPV -- Base Case

Fill BOTH columns.</td><td>
<table>
<tr><th>Metric</th><th>WITHOUT carbon revenue</th><th>WITH carbon revenue</th><th>Uplift</th></tr>
<tr><td>IRR (Unlevered)</td><td>[_____] %</td><td>[_____] %</td><td>[_____] pp</td></tr>
<tr><td>IRR (Levered)</td><td>[_____] %</td><td>[_____] %</td><td>[_____] pp</td></tr>
<tr><td>NPV (INR Cr)</td><td>INR [_____]</td><td>INR [_____]</td><td>[_____] %</td></tr>
<tr><td>Payback (years)</td><td>[_____] yrs</td><td>[_____] yrs</td><td>---</td></tr>
</table>
</td></tr>
<tr><td>Debt : Equity Ratio

If applicable</td><td>[_____] / [_____]</td></tr>
<tr><td>Cost of Debt (interest rate)

Weighted average if multiple facilities – If applicable</td><td>Rate: [_____] % p.a.

Basis:

(term sheet/ assumption)</td></tr>
<tr><td>Moratorium Period

Period of moratorium on principal repayment, if any - If applicable</td><td>Moratorium: [_____] months from financial close

☐ No moratorium ☐ Interest-only during moratorium
☐ Full moratorium</td></tr>
<tr><td>Loan Tenor

If applicable</td><td>[_____] years</td></tr>
<tr><td>Minimum DSCR

Minimum debt service coverage</td><td>Min. DSCR: [_____] x

Typically lender-required minimum. DSCR < 1.2x is a bankability concern.</td></tr>
</table>

ratio over loan tenor - If applicable	
Average DSCR Average debt service coverage ratio over loan tenor - If applicable	**Avg. DSCR:** [_____] x
Payback Period Simple payback on total project cost (undiscounted) - If applicable	**Payback:** [_____] years
Financing Status	☐ Uncommitted / pre-mandate ☐ Term sheet received or MOU signed (attach redacted copy as annex) ☐ Financial close achieved ☐ Fully equity-funded (no debt) Name of lead lender (if applicable): [_____]
Sources of Finance in Total Project Funding	Total project capital: INR [_____] Cr Of which: (a) Equity financing: INR [_____] Cr (b) Commercial private debt (non-concessional): INR [_____] Cr (c) Concessional / DFI debt: INR [_____] Cr (d) Public / government capital (e.g. grants, viability gap funding, equity): INR [_____] Cr (e) Advance carbon financing by Japanese Project Participant(s): INR [_____] Cr

	(f) Advance carbon financing by Government of Japan: INR [_____] Cr Name principal commercial lenders / equity investors if known:

PART B Revenue Structure

Revenue Source	Description	Unit Price	Volume / Year	Annual Amount (INR Cr)
(a) Primary activity revenue	[_____] specify	INR [_____] / [_____]	[_____] units/yr	INR [_____] Cr/ year
(b) Carbon credit revenue	[_____] specify	USD [_____] / tCO2eq	[_____] tCO2eq/yr	INR [_____] Cr/ year
(c) Subsidies / incentives / RECs	[_____] specify	---	---	INR [_____] Cr/ year
(d) Other	[_____] specify	---	[_____] specify	INR [_____] Cr/ year
TOTAL ANNUAL REVENUE				INR [_____] Cr/ year

Carbon Revenue as % of Total Annual Revenue	[_____] %

PART C Sensitivity Analysis

All ten scenarios are mandatory. Project Participants do not substitute alternative scenarios. All scenarios refer to IRR calculation with carbon revenue unless otherwise mentioned.

Stress Scenario	Project IRR (Unlevered)	Equity IRR (Levered)	NPV @ hurdle rate	Min DSCR
S1. CAPEX (+20%)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S2. OPEX (+20%)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S3. Primary revenue price (–20%)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S4. Carbon price (–50%)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S5. Combined 1: CAPEX (+20%) & carbon price (–50%)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x

S6. Commissioning delay (+18 months)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S7. Combined 2: CAPEX (+20%) + Commissioning delay (+12 months).	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S8. Interest rate (+200 bps) *(If applicable)*	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S9. Output / generation (–15%)	[_____] %	[_____] %	₹ [_____] Cr	[_____] x
S10. Feedstock price (+25%) *(If applicable)*	[_____] %	[_____] %	₹ [_____] Cr	[_____] x

2.5. Monitoring Plan Sheet

(This spreadsheet is available in Excel format on India's Article 6 portal and JCM Website)

Monitoring Plan Sheet (Input Sheet) [Attachment to Proposed Methodology Form]

Table 1: Parameters to be monitored *ex post*

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Monitoring point No.	Parameters	Description of data	Estimated Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments

Table 2: Project-specific parameters to be fixed *ex ante*

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Estimated Values	Units	Source of data	Other comments

Table 3: *Ex-ante* estimation of GHG emission reductions

GHG emission reductions	Units
	tCO_2eq/p

Reference Emissions calculation approach used	Reference emissions (tCO_2eq/yr) prior to downward adjustment	Method for Downward-adjustment	Downward-adjustment (tCO_2eq/yr OR % of reference emissions)	BaU (tCO_2eq/yr)	Notes on parameters & uncertainty treatment
(Identify and justify which of the approaches for e.g., best available technology,				*Quantify the conservative business-as-usual scenario*	*Summarize key parameters, data sources, assumptions, and how uncertainties or*

benchmark, historical, etc. is applied for the project)				*emissions/removals*	*trends were addressed.*

[Monitoring option]

Option A	Based on public data which is measured by entities other than the Project Participants (Data used: publicly recognized data such as statistical data)
Option B	Based on the quantity recorded in operational documents (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipment (Data used: measured values)

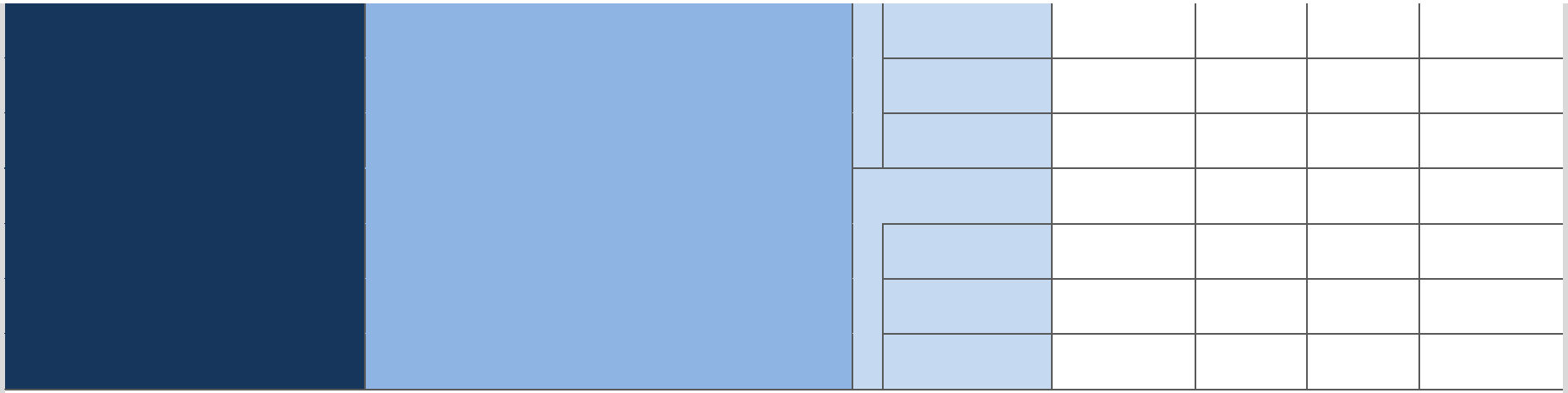
Monitoring Plan Sheet (Input Separate Sheet) [Attachment to Project Design Document]

	Parameters to be monitored *ex post*	Project-specific parameters to be fixed *ex ante*
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

Monitoring Plan Sheet (Calculation Process Sheet) [Attachment to Proposed Methodology Form]

1. Calculations for emission reduction/removal					Fuel type	Value	Units	Parameter
	Emission reduction/removal during the period *p1*					0	tCO_2eq/p	ER_p
	Emission reduction/removal during the period *p2*							
	Emission reduction/removal during the period *p3*							
	…							
2. Selected default values, etc.								

3. Calculations for reference emissions (after downward adjustment)								
	Reference emissions during the period *p1*						tCO_2eq/p	RE_p
	Reference emissions during the period *p2*							
	Reference emissions during the period *p3*							
	…							
4. Calculations of the project emissions								
	Project emissions during the period *p1*						tCO_2eq/p	PE_p
	Project emissions during the period *p2*							
	Project emissions during the period *p3*							
	…							



[List of Default Values]

2.6. Monitoring Structure Sheet

Monitoring Structure Sheet [Attachment to Project Design Document]

Responsible Personnel	Role

2.7. Monitoring Report Sheet

(This spreadsheet is available in Excel format on India's Article 6 portal and the JCM Website)

Monitoring Report Sheet (Input Sheet) [For Verification]

Table 1: Parameters monitored *ex post*

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Monitoring point No.	Parameters	Description of data	Values	Units	Monitoring option	Source of data	Measurement methods and procedures	Monitoring frequency	Other comments

Table 2: Project-specific parameters fixed *ex ante*

(a)	(b)	(c)	(d)	(e)	(f)
Parameters	Description of data	Values	Units	Source of data	Other comments

Table 3: *Ex-post calculation* of GHG emission reductions

Monitoring period	GHG emission reductions	Units
		tCO_2eq/p

Reference Emissions calculation approach used	Reference emissions (tCO_2eq/yr) prior to downward adjustment	Method for Downward-adjustment	Downward-adjustment (tCO_2eq/yr OR % of reference emissions)	BaU (tCO_2eq/yr)	Notes on parameters & uncertainty treatment
(Identify and justify which of the approaches for e.g., best available technology, benchmark, historical, etc. is applied for the project)				*Quantify the conservative business-as-usual scenario emissions/removals*	*Summarize key parameters, data sources, assumptions, and how uncertainties or trends were addressed.*

[Monitoring option]

Option A	Based on public data which is measured by entities other than the Project Participants (Data used: publicly recognized data such as statistical data)
Option B	Based on the quantity recorded in operational documents (Data used: commercial evidence such as invoices)
Option C	Based on the actual measurement using measuring equipment (Data used: measured values)

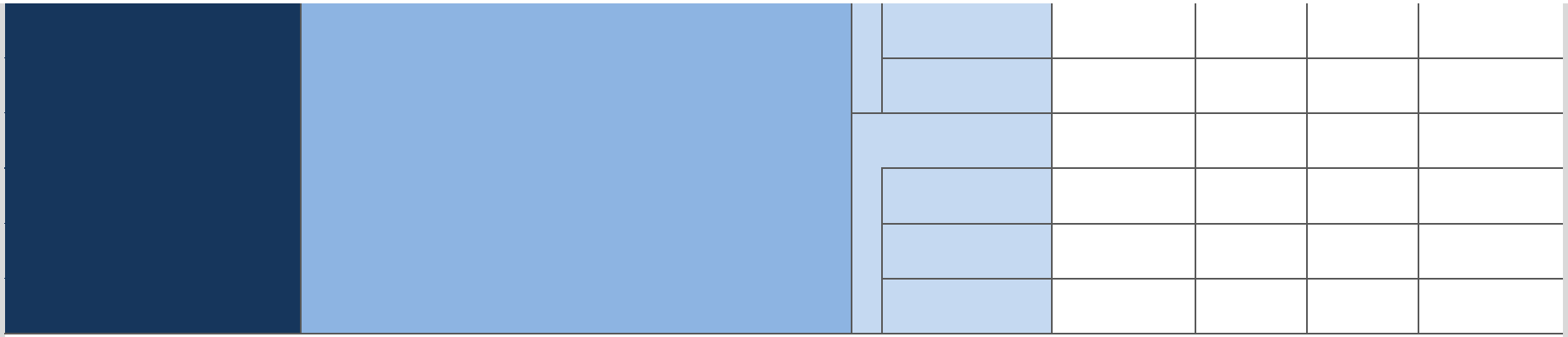
Monitoring Report Sheet (Input Separate Sheet) [For Verification]

	Parameters monitored *ex post*	Project-specific parameters fixed *ex ante*
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Monitoring Report Sheet (Calculation Process Sheet) [For Verification]

1. Calculations for emission reduction/removal					Fuel type	Value	Units	Parameter
	Emission reduction/removal during the period *p1*					0	tCO_2eq/p	ER_p
	Emission reduction/removal during the period *p2*							
	Emission reduction/removal during the period *p3*							
	…							
2. Selected default values, etc.								

3. Calculations for reference emissions (after downward adjustment)								
	Reference emissions during the period *p1*						tCO_2e q/p	RE_p
	Reference emissions during the period *p2*							
	Reference emissions during the period *p3*							
	…							
4. Calculations of the project emissions								
	Project emissions during the period *p1*						tCO_2e q/p	PE_p
	Project emissions during the period *p2*							
	Project emissions during the period *p*3							
	…							



[List of Default Values]

2.8. Sustainable Development Implementation Plan (SDIP) Form

Sustainable Development Implementation Plan Form

A. Project description

A.1. Title of the JCM project

A.2. Contact information

Name of the focal point entity(ies):	
Name of authorized signatory	
Last name:	First name:
Title:	

Note: Any risks or impacts which are defined and assessed in this form are: a. Within the activity boundary as defined by applicable laws b. Positive or negative with respect to the baseline scenario for the activity c. Quantitative and monitorable over the crediting period.

B. Environmental and Social Safeguards

B.1. Risk Assessment across Environmental and Social Safeguards				
Category	**Safeguards Elements**	**Description of Safeguards Elements**	**Does the proposed project ensure this safeguard**	**Justification** **- If Yes, provide justification** **- If No, explain how Project Participant(s) will undertake sufficient measures to minimize, mitigate and compensate for the project's impacts, using project-level environmental and social indicators. The impact is mitigable, and after sufficient mitigation measures are taken, the residual impact is manageable.**
Environmental	Element 1: Energy	Ensure sustainable use of energy	☐ Yes ☐ No	
Environmental	Element 2: Air, Land	Avoid releasing pollutants into the air, land, or water, including hazardous and/or non-hazardous pollutants in solid, liquid, or gaseous phases.	☐ Yes ☐ No	

	and Water			
Environmental	Element 3: Ecology and Natural Resources	Avoid adverse direct, indirect and cumulative impacts on habitats and the biodiversity they support.	☐ Yes ☐ No	
Social	Element 4: Human Rights	Respect and comply with the human rights enshrined in national, state and local laws. Activity participants may not engage in any form of direct or indirect, formal or informal pressure or retaliation against individuals or groups who are exercising their rights in relation to the proposed project.	☐ Yes ☐ No	
Social	Element 5: Labour	Ensure safe and healthy working conditions for labour involved in the proposed project	☐ Yes ☐ No	
Social	Element 6: Health and Safety	Avoid adverse impacts on the health and safety of the community during its implementation, including those who, because of their circumstances, may be vulnerable.	☐ Yes ☐ No	

Social	Element 7: Gender Equality	Avoid potential gender-based risks and impacts by implementing effective measures to prevent, eliminate or mitigate such risks and impacts, thereby eliminating the possibility of reinforcing pre-existing inequalities and/or creating new ones.	☐ Yes ☐ No	
Social	Element 8: Land Acquisition and Involuntary Resettlement	Avoid involuntary resettlement. Avoid activity-related land acquisition and restrictions on land use that lead to adverse impacts on communities and individuals, including physical displacement (relocation, loss of residential land or loss of shelter) and economic displacement (loss of land, assets, or access to assets, leading to loss of income sources or other means of livelihood).	☐ Yes ☐ No	
Social	Element 9: Indigenous Peoples	Respect and comply with the rights of indigenous peoples as outlined in domestic laws, rules and regulations.	☐ Yes ☐ No	
Social	Element 10: Corruption	Ensure the avoidance, prevention, and detection of corruption, and respond to corruption or corruption attempts during design, development,	☐ Yes ☐ No	

		implementation and operation of the proposed project.		
Social	Element 11: Cultural Heritage	Avoid negative impact on cultural heritage.	☐ Yes ☐ No	

B.2. Describe the processes used to implement, monitor, and enforce safeguards to identify, assess and manage environmental and social risks.

C. Impact on Sustainable Development in India

India's SDG Targets and Indicators: the term "SDGs" here refers to the 17 Sustainable Development Goals as defined by the United Nations, and their respective targets and national indicators as provided in the latest version of the Sustainable Development Goals - National Indicator Framework developed by the National Statistics Office, Ministry of Statistics and Programme Implementation (MoSPI), Government of the Republic of India. The latest data provided by MoSPI in the data snapshot and progress report on the SDG National Indicator Framework can be referred to for measuring impact on SDGs.

Describe the project's positive and negative impacts across 17 SDGs in the following table. The impacts are:

i) Relevant to the project

ii) Result in a direct impact (i.e., the project is the main driver of change)

iii) Recurring/lasting during the crediting period of the project

iv) Impacting the stakeholders and/or local environment in a direct and measurable way

***Justification to be provided in this table:**

i) If impact is **positive**, explain how the activity positively impacts the national SDG target and indicator

ii) If impact is **negative**, explain how the activity negatively impacts the national SDG target and indicator. Explain how Project Participant(s) will undertake sufficient measures to minimize, mitigate and compensate for the project's negative impacts using project-level sustainable development indicators. The impact is mitigable, and after sufficient mitigation measures are taken, the residual impact is manageable.

C.1. SDG Impact Assessment

India's SDG Targets and Indicators			**Assessment**		**Project-level Sustainable Development Indicators**					
SDG	*Target*	*National Indicator*	*Impact Type*	*Justification**	*Monitoring indicator*	*Description*	*Data Unit*	*Source of data*	*Measurement procedure*	*Monitoring frequency*
			☐ Positive ☐ Negative							
			☐ Positive							

			☐ Negative							
			☐ Positive ☐ Negative							
			☐ Positive ☐ Negative							

C.2. Describe the processes used to implement, monitor, and enforce measures to identify, assess and manage negative impacts on sustainable development in India.

D. Explain how the project will benefit local stakeholders

E. Additional Questions				
No.	Items	Questions	Yes/No	If yes, provide details
1	Regulatory Compliance	Does the project violate domestic laws, rules and regulations?	☐ No	
2	Environmental and/or Social Impact Assessment	Does the proposed project require official/legal process of Environmental and/or Social Impact Assessment?	☐ No	
			☐ Yes, and clearance received from Government of the Republic of India	
3	Technology	Does the proposed project include activities to build capacity of human resources through technology transfer and technical assistance?	☐ No	
			☐ Yes	

F. References
Provide evidence for claims made in this form, for e.g. studies, projections, etc. and any other relevant references.

2.9. Sustainable Development Implementation Report (SDIR) Form

Sustainable Development Implementation Report Form

A. Project description

A.1. Title of the JCM project

A.2. General information of project

Reference Number	
Registration date	
Monitoring period	

Note: Any risks or impacts which are defined and assessed in this form are: a. Within the activity boundary as defined by applicable laws b. Positive or negative with respect to the baseline scenario for the activity c. Quantitative and monitorable over the crediting period.

B. Environmental and Social Safeguards

B.1. Risk Assessment across Environmental and Social Safeguards					
Category	**Safeguards Elements**	**Description of Safeguards Elements**	**Does the proposed project ensure this safeguard**	**Justification** - If Yes, provide justification - If No, explain how Project Participant(s) took sufficient measures to minimize, mitigate and compensate for the project's impacts, using project-level environmental and social indicators. Explain whether the impact was mitigable or not, and whether the residual impact was manageable after sufficient mitigation measures were taken.	**Provide details of the action taken by the Project Participant(s) during the monitoring period, including measurements of project-level environmental and social indicators declared in SDIP.** (if the response to question on ensuring safeguard is 'No')

Environmental	Element 1: Energy	Ensure sustainable use of energy	☐ Yes ☐ No		
Environmental	Element 2: Air, Land and Water	Avoid releasing pollutants into the air, land, or water, including hazardous and/or non-hazardous pollutants in solid, liquid, or gaseous phases.	☐ Yes ☐ No		
Environmental	Element 3: Ecology and Natural Resources	Avoid adverse direct, indirect and cumulative impacts on habitats and the biodiversity they support.	☐ Yes ☐ No		
Social	Element 4: Human Rights	Respect and comply with the human rights enshrined in national, state and local laws. Activity participants may not engage in any form of direct or indirect, formal or informal pressure or retaliation against individuals or groups who are	☐ Yes ☐ No		

		exercising their rights in relation to the proposed project.			
Social	Element 5: Labour	Ensure safe and healthy working conditions for labour involved in the proposed project	☐ Yes ☐ No		
Social	Element 6: Health and Safety	Avoid adverse impacts on the health and safety of the community during its implementation, including those who, because of their circumstances, may be vulnerable.	☐ Yes ☐ No		
Social	Element 7: Gender Equality	Avoid potential gender-based risks and impacts by implementing effective measures to prevent, eliminate or mitigate such risks and impacts, thereby eliminating the possibility of reinforcing pre-existing inequalities	☐ Yes ☐ No		

		and/or creating new ones.			
Social	Element 8: Land Acquisition and Involuntary Resettlement	Avoid involuntary resettlement. Avoid activity-related land acquisition and restrictions on land use that lead to adverse impacts on communities and individuals, including physical displacement (relocation, loss of residential land or loss of shelter) and economic displacement (loss of land, assets, or access to assets, leading to loss of income sources or other means of livelihood).	☐ Yes ☐ No		
Social	Element 9: Indigenous Peoples	Respect and comply with the rights of indigenous peoples as outlined in domestic	☐ Yes ☐ No		

		laws, rules and regulations.			
Social	Element 10: Corruption	Ensure the avoidance, prevention, and detection of corruption, and respond to corruption or corruption attempts during design, development, implementation and operation of the proposed project.	☐ Yes ☐ No		
Social	Element 11: Cultural Heritage	Avoid negative impact on cultural heritage.	☐ Yes ☐ No		

B.2. During the monitoring period, describe the processes used to implement, monitor, and enforce safeguards to identify, assess and manage environmental and social risks.

C. Impact on Sustainable Development in India

India's SDG Targets and Indicators: the term "SDGs" here refers to the 17 Sustainable Development Goals as defined by the United Nations, and their respective targets and national indicators as provided in the latest version of the Sustainable Development Goals - National Indicator Framework developed by the National Statistics Office, Ministry of Statistics and Programme Implementation (MoSPI), Government of the Republic of India. The latest data provided by MoSPI in the data snapshot and progress report on the SDG National Indicator Framework can be referred to for measuring impact on SDGs.

Describe the project's positive and negative impacts across 17 SDGs in the following table. The impacts are:

i) Relevant to the project

ii) Result in a direct impact (i.e., the project is the main driver of change)

iii) Recurring/lasting during the crediting period of the project

iv) Impacting the stakeholders and/or local environment in a direct and measurable way

*** Impact and action taken:**

i) If impact is **positive**, explain how the activity positively impacted the national SDG target and indicator

ii) If impact is **negative**, explain how the activity negatively impacted the national SDG target and indicator. Explain how Project Participant(s) undertook sufficient measures to minimize, mitigate and compensate for the project's negative impacts using project-level sustainable development indicators. Explain whether the impact was mitigable or not, and whether the residual impact was manageable after sufficient mitigation measures were taken.

C.1. SDG Impact Assessment											
India's SDG Targets and Indicators			**Impact during the monitoring period**		**Project-level Sustainable Development Indicators (quantified impact during the monitoring period)**						
SDG	*Target*	*National Indicator*	*Impact Type*	*Impact and action taken**	*Monitoring indicator*	*Description*	*Data Unit*	*Source of data*	*Measurement procedure*	*Monitoring frequency*	*Measured Value*
			☐ Positive ☐ Negative								
			☐ Positive ☐ Negative								
			☐ Positive ☐ Negative								
			☐ Positive								

			☐ Negative								

C.2. During the monitoring period, describe the processes used to implement, monitor, and enforce measures to identify, assess and manage negative impacts on sustainable development in India.

D. Explain how the project benefited local stakeholders during the monitoring period, in accordance with the benefits mentioned in the SDIP submitted at the time of registration.

E. Additional Questions

No.	Items	Questions	Yes/No	If yes, provide details
1	Regulatory Compliance	Did the project violate domestic laws, rules and regulations?	☐ No	
			☐ Yes	*Describe the corrective actions taken*
2	Environmental and/or Social Impact Assessment	Did the Environmental and/or Social Impact Assessment conducted in accordance with domestic laws, rules, and	☐ No	
			☐ Yes	*Describe the corrective actions taken with regards to Environmental and/or Social Impact Assessment as required by domestic laws, rules, and regulations of India*

		regulations of India entail any corrective actions?		
3	Technology	Failure to build human and institutional capacity by technology transfer	☐ No	
			☐ Yes	*Describe the corrective actions taken*

F. References
Provide evidence for claims made in this form, for e.g. studies, projections, etc. and any other relevant references.

2.10. Modalities of Communication Statement Form

Modalities of Communication Statement Form

Section 1: Project description	
Title of the project	
Country	
Date of Submission	dd/mm/yyyy

Section 2: Nomination of focal point entity			
Notes: • Sole focal point authority - An authorized signatory of ONLY the entity listed below is required to sign for communication related to the corresponding scope of authority. • Shared focal point authority - An authorized signatory of ANY of the entities listed below is required to sign for communication related to the corresponding scope of authority. • Joint focal point authority - Authorized signatories of ALL entities listed below are required to sign for communication related to the corresponding scope of authority.			
Name of entity:			
Is the entity nominated as a focal point with the authority to:	Sole	Shared	Joint
Address (incl. postcode):			
Telephone:			
E-mail:	**Website:**		
Primary authorised signatory:			
Last name:	**First name:**		
Title:			
Department:			
Mobile:	Direct Tel:		

E-mail:		
Specimen signature:		**Date:** dd/mm/yyyy
Alternate authorised signatory:		
Last name:		**First name:**
Title:		
Department:		
Mobile:		**Direct tel.:**
E-mail:		
Specimen signature:		**Date:** dd/mm/yyyy
USE THIS SECTION FOR POST-REGISTRATION SUBMISSIONS ONLY	Is this entity changing its name?	Yes ☐ No ☐
	If yes, what is the name of the former entity?	
	Is the entity also a Project Participant?	Yes ☐ No ☐
	If the entity is also a Project Participant, do the same signatories represent it in its Project Participant role?	Yes ☐ No ☐

Section 3: Third-party entity (TPE)	
Name of the TPE that conducts validation (and verification) for the project:	
Address (incl. postcode):	
Contact person:	
Last name:	**First name:**
Title:	
Department:	
E-mail:	**Telephone:**

Section 4: List of Project Participants other than nominated focal point entity	
	Name of Project Participant
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	

*Rows may be added, as needed
*Contact information of each participant is indicated in Section 5

Section 5: Contact information (Project participant(s) other than focal point entity)	
Project Participant (1)	
Name of entity:	
Address (incl. postcode):	
Telephone:	
E-mail:	**Website:**
Primary authorised signatory:	
Mr	Ms
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	
Alternate authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

Contact person:		
Last name:		**First name:**
Title:		
Department:		
Mobile:		**Direct tel.:**
E-mail:		
USE THIS SECTION FOR POST-REGISTRATION SUBMISSIONS ONLY	Is this entity changing its name?	Yes ☐ No ☐

*Tables may be added, as needed

Section 6: Statement of decision

This statement is effective with all Project Participants and will be valid until a superseding statement is submitted to the Joint Committee through the Secretariat by the focal point entity. The Project Participants do not include or refer to private contractual arrangements in this statement such as the establishment of conditions for the designation or change of focal point. The Project Participants and focal point are solely responsible for honouring such arrangements. By signing below, all Project Participants confirm that they decide the terms of this decision on a voluntary basis.

Focal point entity For (name of focal point entity): Name of authorised signatory: Signature: Date: dd/mm/yyyy	(1) For (name of entity): Name of authorised signatory: Signature: Date: dd/mm/yyyy
(2) For (name of entity): Name of authorised signatory: Signature: Date: dd/mm/yyyy	(3) For (name of entity): Name of authorised signatory: Signature: Date: dd/mm/yyyy

(4) For (name of entity): Name of authorised signatory: Signature: Date: dd/mm/yyyy	(5) For (name of entity): Name of authorised signatory: Signature: Date: dd/mm/yyyy

*Rows may be added, as needed
*Contact information of each entity is indicated in Section 5.

Section 7: Declaration of avoidance of double registration
By signing this declaration below, the focal point entity ensures the proposed JCM project will not result in double registration in other GHG mitigation crediting mechanisms, which then avoids double counting of GHG emission reductions by the project.
I hereby declare that the proposed JCM project is not registered under any other GHG mitigation crediting mechanisms other than the JCM, therefore, the proposed JCM project will not result in double counting of GHG emission reductions. I also hereby declare that if the proposed JCM project is registered under the JCM, the same project will not be registered under other GHG mitigation crediting mechanisms, and vice versa.

Focal point entity:		
Last name:		**First name:**
Title:		
Specimen signature:	**Date:** dd/mm/yyyy	

Modalities of Communication Statement Form
ANNEXURE 1

This annexure is to be used by the nominated focal point to request changes to Project Participant status and contact details of a focal point entity following project registration.

Section 1: Project details	
Title of the project	
Country	

Project reference number:	
Date of Submission	dd/mm/yyyy

Section 2: Addition/change of name of a Project Participant	
☐ Add Project Participant ☐ Change in the legal name of Project Participant (if selected, indicate former name below) ☐ Country of the new/existing Project Participant **End-date of participation: N/A (participation is not limited in time): dd/mm/yyyy** The following entity is hereby added as a Project Participant or is newly named in respect of the above project. By providing a specimen signature below, the Project Participant confirms its acceptance of the current modalities of communication.	
Name of entity:	
Address (incl. postcode):	
Former name of Project Participant (if applicable):	
Telephone:	
E-mail:	**Website:**
Primary authorised signatory:	
Last name:	**First name:**
Title:	
Department:	
Specimen signature: **Date:** dd/mm/yyyy	
Alternate authorised signatory:	
Mobile:	**Direct tel.:**
E-mail:	
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

Signature of the nominated focal point: **Name:** **Specimen signature:** **Date:** dd/mm/yyyy

In terms of Change name of Project Participant, please specify new

Name of entity:	
Address (incl. postcode):	
Former name of Project Participant (if applicable):	
Telephone:	
E-mail:	**Website:**
Primary authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

Section 3: Voluntary withdrawal of Project Participants	
The following entity is registered as a Project Participant in the above project and hereby confirms its voluntary consent to be removed.	
Name of entity:	
Party (country authorizing participation):	
Name of authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	
*Rows may be added, as needed	

Signature of the nominated focal point: **Name:** **Specimen signature:** **Date:** dd/mm/yyyy

Section 4: Change of contact details (Project Participants or focal point entity)	
The following entity is an existing Project Participant/focal point entity in respect of the above project and hereby requests the following changes to its contact details: ☐ Project participant ☐ Focal point	
Name of entity:	
Address (incl. postcode):	
Telephone:	
E-mail:	**Website:**
Primary authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	
Alternate authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

Signature of the nominated focal point:

Name:

Specimen signature:
Date: dd/mm/yyyy

DISCLAIMER: Any new representative for a focal point entity is recognized to hold the same authority designated to him/her by the entity as that held by the previous signatory.

If a change to a Project Participant requested in this section is also applicable to a focal point entity, it is recognized that the Project Participant and the focal point are the same legal entity, with the same legal registration in the respective jurisdiction.

2.11. Assessment of Reference Emissions Request Form

Assessment of Reference Emissions Request Form

List of documents to be attached to this form (Please check to confirm)	Evidence of fulfilment of requirements as provided in the guidelines of the applicable Methodology		☐
Reference number			
Title of the project			
Focal point entity			
Methodology to be applied	No.		
	Version and its approval date	(dd/mm/yyyy) *Note: The date is shown on the last page of the methodology*	
	Title		
	Sectoral scope		

Name of the focal point entity:	
Authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.12. Validation Report Form

Validation Report Form

Insert the symbol of the accreditation body from which the TPE is accredited

A. Summary of validation

A.1. General Information

Title of the project	
Reference number	
Third-party entity (TPE)	
Project participant contracting the TPE	
Date of completion of this report	
Version number of the PDD to which this validation report applies:	
Sectoral scope(s):	

A.2 Opinion of validation and level of assurance

Overall validation opinion	☐ Positive ☐ Negative
☐ Unqualified opinion	Based on the process and procedure conducted, XXX (TPE's name) provides reasonable assurance that the emission reductions or removals for YYYY (project name) ✓ Are free of material errors and are a fair representation of the GHG data and information, and

	✓ Are prepared in line with the related JCM rules, procedure, guidelines, forms and other relevant documents
(If the overall validation opinion is negative, please check below and state its reasons.) ☐ Qualified Opinion ☐ Adverse opinion ☐ Disclaimer	<State the reasons>

A.3. Overview of final validation opinion

Only when all of the checkboxes are checked, overall validation opinion is positive.

Item	Validation requirements	No CAR or CL remaining
Project design document form	1. The TPE determines whether the PDD was completed using the latest version of the PDD forms appropriate to the type of project and drafted in line with the Guidelines for Developing the Joint Crediting Mechanism (JCM) Project Design Document, Monitoring Plan and Monitoring Report.	☐
Project description	The description of the proposed JCM project in the PDD is accurate, complete, and provides comprehension of the proposed JCM project. This includes description of applied technologies/ measures and the attached map of the project location.	☐
Application of approved JCM methodology (ies)	The project is eligible for applying applied methodology and that the applied version is valid at the time of submission of the proposed JCM project for validation.	☐
Emission sources and calculation of	All relevant GHG emission sources covered in the methodology are addressed for the purpose of calculating project emissions or removals and reference emissions or removals for the proposed JCM project.	☐

emission reductions	The values for project specific parameters to be fixed *ex ante* listed in the Monitoring Plan Sheet are appropriate, if applicable.	☐
Environmental impact assessment	The Project Participants conducted an environmental impact assessment, if required by Government of the Republic of India, in line with Government of the Republic of India's procedures.	☐
Local stakeholder consultation	The Project Participants have completed a local stakeholder consultation process and that due steps were taken to engage stakeholders and solicit comments for the proposed project.	☐
Monitoring	The description of the Monitoring Plan (Monitoring Plan Sheet and Monitoring Structure Sheet) is based on the approved methodology and/or Guidelines for Developing the Joint Crediting Mechanism (JCM) Project Design Document, Monitoring Plan, and Monitoring Report. The monitoring points for measurement are appropriate, as well as whether the types of equipment to be installed are appropriate if necessary. The TPE determines whether the uncertainty has been addressed appropriately.	☐
Public inputs	All inputs on the PDD of the proposed JCM project submitted in line with the Project Cycle Procedure are taken into due account by the Project Participants.	☐
Modalities of communications	The corporate identity of all Project Participants and a focal point, as well as the personal identities, including specimen signatures and employment status, of their authorized signatories are included in the Modalities of Communication Statement Form.	☐
	The Modalities of Communication Statement Form has been correctly completed and duly authorized.	☐
Avoidance of double registration	The proposed JCM project is not registered under other GHG mitigation crediting mechanisms.	☐

Start of operation	The start of the operating date of the proposed JCM project does not predate 7th August 2025.	☐
Stakeholder consultation	Stakeholder consultation process was assessed in accordance with the applicable validation requirements in the validation guidelines.	☐
Technologies/ measures in the country prior to project implementation	Assessment of technologies/ measures in the country prior to project implementation as highlighted by the Project Participants is appropriate.	☐

Authorised signatory:	
Last name:	First name:
Title:	
Specimen signature:	Date: dd/mm/yyyy

B. Validation team and other experts

Name	Company	Function*	Scheme competence*	Technical competence*	On-site visit	Type of resource (IR/EI/OR)**	Involved in (DDR/OSI/I/VF) ***
			☐		☐		
			☐		☐		
			☐		☐		
			☐		☐		

Please specify the following for each item.

** Function: Indicate the role of the personnel in the validation activity such as team leader, team member, technical expert, or internal reviewer.*

** Scheme competence: Check the boxes if the personnel have sufficient knowledge on the JCM.*

** Technical competence: Indicate if the personnel have sufficient technical competence related to the project under validation.*

*** Use of one of the following abbreviations referring to : (a) IR (Internal Resource); (b) EI (External Individuals); (c) OR (Outsourced Resource).*

**** Use of the following abbreviations referring to checklist items: (a) DDR (Desk/Document Review); (b) OSI (On-site Inspection); (c) I (Interviews); (d) VF (Validation Findings).*

C. Means of validation, findings, and opinion based on reporting requirements

C.1. Project design document form

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.2. Project description

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.3. Application of approved methodology(ies)

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.4. Emission sources and calculation of emission reductions or removals

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.5. Environmental impact assessment

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.6. Local stakeholder consultation

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.7. Monitoring

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.8. Modalities of Communication

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.9. Avoidance of double registration

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.
Please state that the project is not registered under other GHG mitigation crediting mechanisms.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.10. Start of operation

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.11. Ownership

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.12. Avoidance of double accounting

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.13. Other issues

<Means of validation>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

D. Information on public inputs

D.1. Summary of public inputs

D.2. Summary of how inputs received have been taken into account by the Project Participants

E. List of interviewees and documents received

E.1. List of interviewees

E.2. List of documents received

F. Annex Certificates or curricula vitae of TPE's validation team members, technical experts and internal technical reviewers

Please attach certificates or curricula vitae of TPE's validation team members, technical experts and internal technical reviewers.

2.13. Project Registration Request Form

Project Registration Request Form

List of documents to be attached to this form (Please check to confirm)	PDD (latest version)	☐
	Modalities of Communication Statement Form	☐
	Monitoring Plan Sheet	☐
	Monitoring Structure Sheet	☐
	Assessment of Reference Emissions Request Form	☐
	Validation report	☐
	Sustainable Development Implementation Plan (SDIP) reviewed by JCM Secretariat	☐
	Credit Allocation Form	☐
	PIN (latest version)	☐
	Additional supporting documents	☐ Check if additional supporting documents are being submitted
	Details of additional supporting documents	1. _____ 2. _____ 3. _____ ... _____
Reference number		
Title of the project		
Focal point entity		
Third-party entity (TPE) engaged for validation		

Applied methodology	No.	
	Version	
	Title	
	Sectoral scope	

Name of the focal point entity:	
Authorised signatory:	
Last name:	First name:
Title:	
Specimen signature: Date: dd/mm/yyyy	
Department**:**	
Mobile**:**	Direct tel.**:**
E-mail**:**	
Alternate authorised signatory:	
Last name:	First name:
Title:	
Specimen signature: Date: dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.14. Project Implementation Report Form

Project Implementation Report Form

Reference number			
Title of the project			
Current Crediting period	dd/mm/yyyy - dd/mm/yyyy (First/Second/Third crediting period)		
Reporting period	dd/mm/yyyy - dd/mm/yyyy		
Focal point entity			
Applied methodology	No.		
	Version		
	Title		
	Sectoral scope		
Date of submission	dd/mm/yyyy		
List of documents to be attached to this form (Please check to confirm)	Monitoring Report Sheet (If the monitoring has started)	☐	
	Supplemental documents *(as necessary)*	☐	

* Note: The current crediting period is not necessary to be filled in if it has not started yet at the time of the submission of this report.

A. Monitored GHG emissions reductions or removals *(If the monitoring has started)*

Year	Reported Reference/Baseline Emissions (tCO_2eq)	Reported Project Emissions (tCO_2eq)	Reported Leakage Emissions (tCO_2eq)	Net Emission Reductions / Removals (tCO_2eq)

B. Please describe the status of the project below.

C. Post-Registration Changes (if any)

Change Type (Temporary / Permanent)	Description	Effective Date	Impact on Monitoring / Calculations

D. Double Registration Declaration

This project was not registered under any other GHG mitigation crediting mechanisms for the reporting period.	☐ Yes ☐ No

E. Describe the implementation of the technology transfer arrangements and the knowledge internalisation measures undertaken during the reporting period.

Note: All factual assertions made in response to this question are supported by documentary evidence retained by the Project Participant and available for review by the JCM Secretariat and Joint Committee upon request. Relevant documentation may include but is not limited to: the executed technology transfer or licensing agreement, training completion records, staffing registers, and technical documentation delivery receipts.

The response may cover the following, as applicable: 1. *The technology transfer arrangements that have been executed, including the status of any technology licensing agreement, joint venture arrangement, or collaborative R&D arrangement identified in the PDD; the technical documentation, process know-how, and operating manuals delivered by the technology provider; and the current status of intellectual property rights held by the Indian activity participant or a domestic entity, including rights to use, adapt, and sub-license the core technology.*

2. *The training and capacity-building activities completed, including: the number of Indian technical and operational personnel trained; the cumulative training person-hours delivered; the training subjects and delivery format (on-site, at the technology provider's facility, or at external training institutes); and the qualifications or certifications obtained by trained personnel, if any. Where training obligations were specified in the technology agreement or EPC (Engineering, Procurement, and Construction) contract, state the contractual training commitment and the training actually delivered.*
3. *The current staffing of key technical and managerial positions, identifying the number of Indian nationals and expatriate personnel in each category. Where the PDD described arrangements for progressive reduction of dependence on foreign technical personnel, describe the progress achieved.*

F. Describe the supply chain linkages and local economic contributions that have materialised during project implementation and operation.

Note: All factual assertions made in response to this question are supported by documentary evidence retained by the Project Participant and available for review by the JCM Secretariat and Joint Committee upon request.

The response may cover the following, as applicable:

1. *The share of total project equipment and materials (by value) that was sourced from domestic suppliers, and the share sourced from imports. Provide details of the principal domestic suppliers engaged for key equipment and services.*
2. *Any steps taken or commitments in place for progressive localisation of components, spare parts, maintenance services, or manufacturing. Where the PDD identified plans for localisation, describe the current status of those plans.*
3. *Any contribution of the project to the development of a domestic supplier base, workforce skills, or institutional capability relevant to the technology, including but not limited to: establishment of domestic maintenance or service capability; engagement of domestic sub-contractors or fabricators for specialised components; or collaboration with domestic research or training institutions.*

G. Contributions to the Project

G.1. Is the project being supported by contributions from the respective Project Participants and governments of India and Japan, as described in the Credit Allocation Form submitted at the time of project registration?

☐ Yes

☐ No

If No, describe the deviations and explain the reasons for the deviations:

_____

G.2. If the response to Question G.1. is 'No', have the Project Participant(s) submitted a Post-Registration Change Request Form along with the proposed revised Credit Allocation Form to the Joint Committee through the JCM Secretariat?

☐ Yes

☐ No

If No, provide justifications for not communicating deviations in contributions to the Joint Committee: _____

2.15. Verification Report Form

Verification Report Form

Insert the symbol of the accreditation body from which the TPE is accredited

A. Summary of verification

A.1. General Information

Title of the project	
Reference number	
Monitoring period	
Date of completion of the monitoring report	
Third-party entity (TPE)	
Project participant contracting the TPE	
Date of completion of this report	
Crediting period – Start date (dd/mm/yyyy),	
Crediting period – End date (dd/mm/yyyy),	
Version number of the PDD applicable to this verification	

A.2 Opinion of verification and level of assurance

Overall verification opinion	☐ Positive ☐ Negative
☐ Unqualified opinion	Based on the process and procedure conducted, *XXX* (TPE's name) provides

	reasonable assurance that the emission reductions or removals for *YYYY* (project name) ✓ Are free of material errors and are a fair representation of the GHG data and information, and ✓ Are prepared in line with the related JCM rules, procedure, guidelines, forms and other relevant documents
(If overall verification opinion is negative, please check below and state its reasons.) ☐ Qualified Opinion ☐ Adverse opinion ☐ Disclaimer	<State the reasons>

A.3. Overview of the verification results

Item	Verification requirements	No CAR or CL remaining
The project implementation with the eligibility criteria of the applied methodology	The TPE determines the conformity of the actual project and its operation with the eligibility criteria of the applied methodology.	☐
The project implementation against the registered PDD or any approved revised PDD	The TPE assesses the status of the actual project and its operation with the registered/validated PDD or any approved revised PDD.	☐
Calibration frequency and correction of measured values with related requirements	If monitoring Option C is selected, the TPE determines whether the measuring equipment have been properly calibrated in line with the monitoring plan and whether measured values are properly corrected, where necessary, to calculate emission reductions or removals in line with the PDD and Monitoring Guidelines.	☐

Data and calculation of GHG emission reductions	The TPE assesses the data and calculations of GHG emission reductions or removals achieved by/resulting from the project by the application of the selected approved methodology. The TPE determines whether the uncertainty has been addressed appropriately.	☐
Avoidance of double registration	The TPE determines whether the project is not registered under other GHG mitigation crediting mechanisms.	☐
Post registration changes	The TPE determines whether there are post registration changes from the registered PDD and/or methodology which prevent the use of the applied methodology.	☐

Authorized signatory:	
Last name:	First name:
Title:	
Specimen signature:	Date: dd/mm/yyyy

A.4. Resolution of Findings

Describe the process for the resolution of any findings (corrective actions, clarifications, forward action requests, or other findings) raised by the TPE during the verification and, where applicable, outstanding forward action requests from the validation or previous verifications. State the total number of corrective action requests, clarification requests, and forward action requests, and other findings raised during the verification. Provide a summary of each finding, including the issues raised, the response(s) provided by the project proponent, and the final opinion and any resulting changes to project documents. Unless this fits on one page, put all findings in an appendix.

B. Verification team and other experts

Name	Company	Function*	Scheme competence*	Technical competence*	Type of resource (IR/EI/OR)**	On-site visit
			☐			☐
			☐			☐
			☐			☐
			☐			☐

Please specify the following for each item.

* *Function: Indicate the role of the personnel in the validation activity such as team leader, team member, technical expert, or internal reviewer.*

* *Scheme competence: Check the boxes if the personnel have sufficient knowledge on the JCM.*

* *Technical competence: Indicate if the personnel have sufficient technical competence related to the project under validation.*

** Use of one of the following abbreviations referring to (a) IR (Internal Resource); (b) EI (External Individuals); (c) OR (Outsourced Resource).

C. Means of verification, findings and ed on reporting requirements

C.1. Compliance of the project implementation and operation with the eligibility criteria of the applied methodology

<Means of verification>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.2. Assessment of the project implementation against the registered PDD or any approved revised PDD

<Means of verification>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.3. Compliance of calibration frequency and correction of measured values with related requirements

<Means of verification>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

<Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.4. Assessment of data and calculation of GHG emission reductions or removals

<Means of verification>

Parameters	Monitored values	Method to check values in the monitoring report with sources

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

< Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.5. Assessment of avoidance of double registration

<Means of verification>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

< Opinion based on reporting requirements>

Please state opinion based on reporting requirements.

C.6. Post registration changes

<Means of verification>

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

< Opinion based on reporting requirements>

Please state Opinion based on reporting requirements.

D. Assessment of response to remaining issues

An assessment of response to the remaining issues including FARs from the validation and/or previous verification period, if appropriate

E. Verified amount of emission reductions or removals achieved

Year	Verified Reference Emissions (tCO_2eq)	Verified Project Emissions (tCO_2eq)	Verified Leakage Emissions (tCO_2eq)	Verified Emission Reductions/ Removals (tCO_2eq)

Total (tCO_2eq)				

*Note: Rows may be added as necessary up to the end of the crediting period.

F. List of interviewees and documents received

F.1. List of interviewees

(Copy/paste rows as necessary)

S.No.	Last Name	First Name	Affiliation	Role in the Project	Date of Interview	Subject of Interview	Name of TPE's team member who took the interview
1.							
2.							
3.							

F.2. List of documents received

G. Application of Materiality

S. No.	Risk that could lead to material errors/ omissions/ misstatements	Assessment of the risk		Response in verification/sampling
		Risk level (High/ Medium/ Low)	Justification	

H. Continuous engagement with stakeholders

Means of verification	
Findings	
Opinion	

Determine whether comments on the implementation or operation of the project after its registration were received from local stakeholders, Parties, or other stakeholders, by the Project Participants through the continuous engagement process or through India's Article 6 portal or JCM Website, and determine whether the Project Participants have addressed the issues raised in the comments as appropriate.

I. Internal quality control

Provide information on the quality control within the TPE's verification team and in the verification process;

J. Verification opinion

Provide a verification opinion that includes: (a) A summary of the verification method, the process used and the verification criteria applied; (b) A summary of the verification results and on the verified amount of GHG emission reductions or net GHG removals achieved.

K. Certification statement

Provide a statement certifying, in writing, that the project achieved the verified amount of GHG emission reductions or net GHG removals during the

specified monitoring period that would not have occurred in the absence of the project.

L. Annex Certificates or curricula vitae of TPE's verification team members, technical experts and internal technical reviewers

Please attach certificates or curricula vitae of TPE's validation team members, technical experts and internal technical reviewers.

2.16. Credit Allocation Form

Credit Allocation Form

Title of the project	
Reference number	
Duration of crediting period (mention a crediting period less than or equal to 10 years)	From (dd/mm/yyyy) to (dd/mm/yyyy)

Allocation of credits among Project Participants and/or both governments

Does the credit allocation (%) over the years as mentioned below differ from the (%) contribution over the years (as mentioned in Annex-1 of this form)?	☐ No ☐ Yes If Yes, provide justification: _____

	Name and account number of Project Participants				**Both governments**	
	Name: Account number:	Name: Account number:	Name: Account number:	Name: Account number:	**Indian government**	**Japanese government**

Registry		☐India ☐Japan	☐ India ☐Japan	☐ India ☐Japan	☐ India ☐Japan		
Credit allocation (%) for each year within a crediting period. (Here, "year" refers to the year of generation of mitigation outcomes)	Year 1	%	%	%	%	%	%
	Year 2	%	%	%	%	%	%
	Year 3	%	%	%	%	%	%
	Year 4	%	%	%	%	%	%
	Year 5	%	%	%	%	%	%
	Year 6	%	%	%	%	%	%
	Year 7	%	%	%	%	%	%
	Year 8	%	%	%	%	%	%
	Year 9	%	%	%	%	%	%
	Year 10	%	%	%	%	%	%
Credit Allocation (%) for the entire crediting period		**%**	**%**	**%**	**%**	**%**	**%**

Note:

- The credit allocation is filled in for each year of the crediting period.
- Account numbers may be filled in if Project Participants already have one.

Annex-1: Information Sheet on Contributions from Indian and Japanese Side

Please select and mention the type of financial contributions expected from Government of Japan and Japanese Project Participant(s) and Government of the Republic of India and Indian Project Participant(s) applicable to the proposed project.

Assumed Foreign Exchange Rate:

[____] Indian Rupee (INR) = [____] Japanese Yen (JPY)

1) Contribution Types:

*Check the applicable item and provide details

Contribution Type	Government of Japan	Japanese Project Participant(s)	Government of the Republic of India (includes contributions by sub-national governments)	Indian Project Participant(s)	Total
1. Subsidy and other forms of Government support (please specify)	☐ Description: _____ Amount (INR): _____	☐ Description: _____ Amount (INR): _____	☐ Description: _____ Amount (INR): _____	☐ Description: _____ Amount (INR): _____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____

	Amount (JPY): _____ % of Grand Total: ____	Amount (JPY): _____ % of Grand Total: ____	Amount (JPY): _____ % of Grand Total: ____	Amount (JPY): _____ % of Grand Total: ____	
2. CAPEX for project initiation (Please indicate the terms of finance)	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____
3. OPEX for project operation	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____

	% of Grand Total: ____	% of Grand Total: ____	% of Grand Total: ____	% of Grand Total: ____	
4. MRV cost	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____
5. Upfront investment/ investment in pilot projects	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____

6. Initial survey and study costs (such as feasibility study and environmental impact assessment)	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____
7. Activities for technology transfer related to the project	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____
8. Human resource development/capacity building (training costs for staff of	☐ Description: _____	☐ Description: _____	☐ Description: _____	☐ Description: _____	**Amount (INR):** _____

Indian Project Participant(s))	Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (JPY):** _____ **% of Grand Total:** ____
9. Discounts (EPC costs, insurance premiums)	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____
10. Waiver of preferential loans (low interest rates, interest subsidies, subordinated loans) and preferential treatment or rights in business participation	☐ Description: _____ Amount (INR): _____	☐ Description: _____ Amount (INR): _____	☐ Description: _____ Amount (INR): _____	☐ Description: _____ Amount (INR): _____	**Amount (INR):** _____ **Amount (JPY):** _____ **% of Grand Total:** ____

(waiver of shareholder benefits, waiver of voting rights)	Amount (JPY): _____ % of Grand Total: ____	Amount (JPY): _____ % of Grand Total: ____	Amount (JPY): _____ % of Grand Total: ____	Amount (JPY): _____ % of Grand Total: ____	
11. Commitment to offtake credit	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____ % of Grand Total: ____	**Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**
12. Other (please specify):	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	☐ Description: _____ Amount (INR): _____ Amount (JPY): _____	**Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**

	% of Grand Total: ____	% of Grand Total: ____	% of Grand Total: ____	% of Grand Total: ____	
Total	**Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**	**Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**	**Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**	**Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**	**GRAND TOTAL** **Amount (INR): _____** **Amount (JPY): _____** **% of Grand Total: ____**

2) Total Contribution Value:

Grand Total of Contribution (A+B+C+D)	In Indian Rupee (INR): In Japanese Yen (JPY):
(A) Contribution by Japanese Project Participant(s)	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:
(B) Contribution by Indian Project Participant(s)	In Indian Rupee (INR): In Japanese Yen (JPY):

	Please indicate the terms of finance and level of concessionality, if applicable:
(C) Contribution by the Government of Japan	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:
(D) Contribution by the Government of the Republic of India (includes contributions by sub-national governments)	In Indian Rupee (INR): In Japanese Yen (JPY): Please indicate the terms of finance and level of concessionality, if applicable:

3) Distribution of Contribution over the years (during crediting period):

		Name and account number of Project Participants				**Both governments**		**Total**
		Name:	**Name:**	**Name:**	**Name:**	**Indian Government**	**Japanese Government**	
Registry		☐India ☐Japan	☐ India ☐Japan	☐ India ☐Japan	☐ India ☐Japan			
Contribution	**Year 1**	Description:	Description:	Description:	Description:	Description:	Description:	**Amount (INR):**

		Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	**Amount (JPY):** **% of Grand Total:**
	Year 2	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	**Amount (INR):** **Amount (JPY):** **% of Grand Total:**
	Year 3	Description:	Description:	Description:	Description:	Description:	Description:	**Amount (INR):**

		Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	**Amount (JPY):** **% of Grand Total:**
	Year 4	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	**Amount (INR):** **Amount (JPY):** **% of Grand Total:**
	Year 5	Description:	Description:	Description:	Description:	Description:	Description:	**Amount (INR):**

		Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	**Amount (JPY):** **% of Grand Total:**
	Year 6	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	**Amount (INR):** **Amount (JPY):** **% of Grand Total:**
	Year 7	Description:	Description:	Description:	Description:	Description:	Description:	**Amount (INR):**

		Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	**Amount (JPY):** **% of Grand Total:**
	Year 8	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	**Amount (INR):** **Amount (JPY):** **% of Grand Total:**
	Year 9	Description:	Description:	Description:	Description:	Description:	Description:	**Amount (INR):**

		Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	Amount (INR): Amount (JPY): % of Year Total:	**Amount (JPY):** **% of Grand Total:**
	Year 10	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	Description: Amount (INR): Amount (JPY): % of Year Total:	**Amount (INR):** **Amount (JPY):** **% of Grand Total:**
Total		**Amount (INR): ___**	**Amount (INR): ___**	**Amount (INR): ___**	**Amount (INR): ___**	**Amount (INR): ___**	**Amount (INR): ___**	**GRAND TOTAL**

	Amount (JPY): ___ **% of Grand Total: ____**	**Amount (JPY): ___** **% of Grand Total: ____**	**Amount (JPY): ___** **% of Grand Total: ____**	**Amount (JPY): ___** **% of Grand Total: ____**	**Amount (JPY): ___** **% of Grand Total: ____**	**Amount (JPY): ___** **% of Grand Total: ____**	**Amount (INR): ___** **Amount (JPY): ___**

2.17. Credits Issuance Request Form

Credits Issuance Request Form

List of documents to be attached to this form (Please check to confirm)	Verification report provided by TPE	☐
	Monitoring report	☐
	Sustainable Development Implementation Report Form	☐
Additional documents submitted	☐ Yes / ☐ No Please ensure that all documents listed are submitted with this form. ✓ (please list documents if applicable)	
Title of the project		
Has the project undergone any post-registration changes which were communicated to the JCM Secretariat?	Yes/No If yes, please provide a brief summary of the post-registration changes (in less than 100 words)	
Reference number as assigned under JCM		
Name of the Third-party entity (TPE) involved in verification		
Details of JCM Credits Requested to be Issued		
Period covered by this request	Start: dd/mm/yyyy / End: dd/mm/yyyy	
Verified reduction / removals claimed in this request (tCO_2eq)	Total:	
Year		
Year		
Year		

Year	
Year	
Allocation of credits among Project Participants	
Project Participant	
Allocation of credits (%)	
Registry	☐ Indian side ☐ Japanese side
Account Number as assigned	
Project Participant	
Allocation of credits (%)	
Registry	☐ Indian side ☐ Japanese side
Account Number as assigned	
Allocation of credits among governments	
Government of Japan	
Allocation of credits (%)	
Registry	☐ Japanese side
Account Number as assigned	
Government of the Republic of India	
Allocation of credits (%)	
Registry	☐ Indian side
Account Number as assigned	

Name of the focal point entity:	
Authorised signatory:	
Mr: ☐	**Ms:** ☐

Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

Total verified emission reductions and allocation of credits (tCO_2eq) among Project Participants and/or both governments:

	Total verified emission reductions (tCO_2eq)	Name and account number of Project Participants				Both governments	
		Name: Account number:	Name: Account number:	Name: Account number:	Name: Account number:	Indian government	Japanese government
Registry		☐India ☐Japan	☐India ☐Japan	☐India ☐Japan	☐India ☐Japan		
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t

yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
yyyy	t	t	t	t	t	t	t
Total	t	t	t	t	t	t	t

Note:

- Rows may be added as necessary up to the end of the crediting period of the project under the JCM.
- Please replace “yyyy” with the year of the crediting period in which mitigation outcomes were generated.

2.18. Renewal of Crediting Period Request Form

Renewal of Crediting Period Request Form

List of documents to be attached to this form, revised for the proposed new crediting period (Please check to confirm)	PDD	☐
	Modalities of Communication Statement Form	☐
	Monitoring Plan Sheet	☐
	Monitoring Structure Sheet	☐
	Assessment of Reference Emissions Request Form	☐
	Sustainable Development Implementation Plan (SDIP) reviewed by JCM Secretariat	☐
	Validation report	☐
	Credit allocation form	☐
	Supplemental documents (as necessary)	☐
Reference number		
Title of the project		
Crediting period	Current crediting period	dd/mm/yyyy - dd/mm/yyyy (First/Second crediting period)
	Crediting period after renewal	dd/mm/yyyy - dd/mm/yyyy (Second/Third crediting period)
Focal point entity		
Third-party entity (TPE) for validation		

Applied methodology	No.	
	Version	
	Title	
	Sectoral scope	

Name of the focal point entity:	
Authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.19. Approved Methodology Revision Request Form

Approved Methodology Revision Request Form

List of documents to be attached to this form: (Please check)	Proposed revised methodology, highlighting all proposed changes to the approved methodology``	☐
	Draft Illustrative PDD	☐
	Additional information (Optional: please specify)	☐
Exact reference (number, title and version) of the methodology to which the request for revision applies:		
Name of the proponent submitting this form:		
Affiliation of the proponent submitting this form:	☐ Project Participant ☐ Government ☐ Other stakeholder (please specify): _____	
Title/Subject of the request for revision: (specify the subject of your submission, maximum 40 words)		
Summary of the proposed revisions: (Please state the summary of your proposed revisions in approximately 300 words)		
Contact Information: (E-mail addresses and phone contacts for possible dialogue on the submission)		
Date (dd/mm/yyyy) and signature for the proponent:	dd/mm/yyyy	

Please provide reasons for requesting revisions to the methodology. If the request for revision is related to a project under development or implementation, please describe the context in which they arose:	

2.20. Post-Registration Change Request Form

Post-Registration Changes Request Form

List of documents to be attached to this form: (Please check)	Revised PDD	☐
	Additional information (Optional: please specify)	☐
Reference number:		
Title of the project:		
The third-party entity which identified changes during verification, if applicable:		
Summary of the proposed changes: (Please state the summary of your proposed changes in approximately 300 words. Also classify the changes as 'temporary deviations' or 'permanent changes')		
Justify the need for proposed changes:		
Which project documents require revision for adopting the proposed change(s): (Please check)	☐ Project Registration Request Form ☐ Project Design Document Form ☐ Modalities of Communication Statement Form ☐ Monitoring Plan Sheet ☐ Monitoring Structure Sheet ☐ Assessment of Reference Emissions Request Form ☐ Sustainable Development Implementation Plan (SDIP) Form	

	☐ Credit Allocation Form ☐ Other documents, please specify: _____
Provide justification that the proposed changes would not prevent the use of the applied methodology:	
Do the proposed changes affect the following:	
Monitoring plan and monitored parameters	☐ Yes ☐ No If Yes, describe how: _____
Impacts on environmental and/or and social safeguards	☐ Yes ☐ No If Yes, describe how: _____
Impact on sustainable development in India	☐ Yes ☐ No If Yes, describe how: _____
Start date of the crediting period	☐ Yes ☐ No If Yes, provide the proposed revised start date of the crediting period: [DD / MM / YYYY]
Expected emission reductions or removals	☐ Yes ☐ No If Yes, describe how: _____
Contributions of Project Participants and contributions of Government of the Republic of India and Government of Japan (as	☐ Yes ☐ No If Yes, describe how: _____

declared in the Credit Allocation Form)	

Name of the focal point entity:	
Authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.21. Registration Request Withdrawal Form

Registration Request Withdrawal Form

Type of withdrawal:	☐ (a) The Project Participants voluntarily wish to withdraw a request for registration ☐ (b) The TPE has revised its validation opinion based on new insights or information and has notified it to the Project Participants	
List of documents to be attached to this form: (Please check)	Revised validation report, if type of withdrawal is (b)	☐
	Additional information (Optional: please specify)	☐
Reference number:		
Title of the project:		
Date of initial request for registration submission:	dd/mm/yyyy	
Third-party entity (TPE) validated the project for which the request was made:		
Reasons for requesting withdrawal of the registration of request:		

Name of the focal point entity:	
Authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.22. Project Withdrawal Request Form

Project Withdrawal Request Form

Reference number:	
Title of the project:	
Third-party entity (TPE):	
Reasons for requesting withdrawal of the project:	
The proposed effective date of the withdrawal (with justification)	

Name of the focal point entity:	
Authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature:	**Date:** dd/mm/yyyy

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.23. Issuance Request Withdrawal Form

Issuance Request Withdrawal Form

Type of withdrawal:	☐ (a) The Project Participants voluntarily wish to withdraw a request for issuance for the specified monitoring period ☐ (b) The TPE has revised its verification report based on new insights and has notified it to the Project Participants ☐ (c) The TPE has been suspended during the monitoring period ☐ (d) The Project Participant has ceased operations and wishes to withdraw for the specified monitoring period	
List of documents to be attached to this form: (Please check)	Revised verification report, if type of withdrawal is (b)	☐
	Credits Issuance Request Form which was submitted to the Secretariat earlier, against which this request for withdrawal is being submitted	☐
	For withdrawal under category (c) provide the reason for suspension along with supporting documents	☐
	For withdrawal under category (d) provide the reason for ceasing operations together with the relevant supporting documentation	☐
	Additional information (Optional: please specify)	☐
Reference number:		
Title of the project:		
Third-party entity (TPE) verified the period for which the request was made:	☐ Yes ☐ No	

Name of the Third-party entity (TPE):	
Detailed description of the reason for withdrawal	
Monitoring period covered by this request:	Start: dd/mm/yyyy / End: dd/mm/yyyy

Name of the focal point entity:	
Authorised signatory:	
Last name:	**First name:**
Title:	
Specimen signature: **Date:** dd/mm/yyyy	

[Signature by the focal point of the Project Participants as appeared on the Modalities of Communication Statement Form]

2.24. Application Form for Registration as a Third-Party Entity

Application Form for Registration as a Third-Party Entity (TPE)

Type of Application		Check as appropriate: ☐ Initial registration ☐ Addition of sectoral scopes ☐ Reinstatement of registration as a Third-Party Entity under the JCM
Name of Entity		
Central office		
	Physical address	
	Postal address (if different from above)	
	Contact details	Telephone: Mobile: Email:
Office in Japan, if applicable		
	Physical address	
	Postal address (if different from above)	
	Contact details	Telephone: Mobile: Email:
Office in India, if applicable		
	Physical address	
	Postal address (if different from above)	
	Contact details	Telephone: Mobile:

<table>
<tr><td></td><td></td><td>Email:</td></tr>
<tr><td>Application condition</td><td colspan="2">Check as appropriate

☐ Accredited under ISO 14065 by an accreditation body that is a member of the International Accreditation Forum based on ISO 14064-2.

<table><tr><td>Sectoral scope(s)

for validation</td><td></td></tr><tr><td>Sectoral scope(s)

for verification</td><td></td></tr><tr><td>Please mention the end date of the accreditation, if known</td><td>DD/MM/YY</td></tr></table>
☐ A Designated Operational Entity (DOE) or an operational entity accredited by the Executive Board under the Clean Development Mechanism (CDM).

<table><tr><td>Sectoral scope(s)

for validation</td><td></td></tr><tr><td>Sectoral scope(s)

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<tr><td></td><td colspan="2">☐ A Designated Operational Entity (DOE) accredited by the Supervisory Body of the Article 6.4 Mechanism.<table><tr><td>Sectoral scope(s)
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<tr><td rowspan="3">Documents supporting accreditation</td><td>Accreditation certificate under ISO 14065, specifying the end date of accreditation</td><td>☐ Check if attached with this form</td></tr>
<tr><td>Proof of accreditation as Designated Operational Entity (DOE) by the Executive Board under the Clean Development Mechanism (CDM), specifying the end date of accreditation</td><td>☐ Check if attached with this form</td></tr>
<tr><td>Proof of accreditation as Designated Operational Entity (DOE) by the Supervisory Body of the Article 6.4 Mechanism, specifying the end date of accreditation</td><td>☐ Check if attached with this form</td></tr>
<tr><td rowspan="4">Sectoral scope (s) applied for under the JCM</td><td>Validation</td><td></td></tr>
<tr><td>(Explanation for selecting the scope(s))</td><td></td></tr>
<tr><td>Verification</td><td></td></tr>
<tr><td>(Explanation for selecting the scope(s))</td><td></td></tr>
<tr><td>Has there been a change in the sectoral scope over the</td><td colspan="2">☐ Yes
☐ No</td></tr>
</table>

last 2 years of the TPE? If yes, please specify the additional sectors	
If this form is being submitted to request reinstatement of registration as a Third-Party Entity under the JCM, then provide a detailed list of corrective actions taken	

I declare that the information given in this application is correct to the best of my knowledge and belief. I shall inform the JCM Secretariat immediately of any changes with respect to the application and accept full responsibility for any costs incurred as a result of any changes not reported to the JCM Secretariat in line with the procedures for registration.

On behalf of the entity, I declare that all the applicable JCM rules and guidelines are understood.

Name	
Position	
Date	
Signature	