

JCM Validation Report Form

A. Summary of validation

A.1. General Information

Title of the project	Installation of 5MW solar PV system and 3.6MWh battery energy storage system in Zavkhan Province
Reference number	MN007
Third-party entity (TPE)	TPE-MN-003 Japan Quality Assurance Organization
Project participant contracting the TPE	Bodg River Hydroelectric Power Plant LLC
Date of completion of this report	02/04/2026

A.2 Conclusion of validation

Overall validation opinion	☒ Positive ☐ Negative
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A.3. Overview of final validation conclusion

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	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.	☒
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 emission reductions	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.	☒
	The values for project specific parameters to be fixed <i>ex ante</i> listed in the Monitoring Plan Sheet are appropriate, if applicable.	☒
Environmental impact assessment	The project participants conducted an environmental impact assessment, if required by Mongolia, in line with Mongolia's procedures.	☒
Local stakeholder	The project participants have completed a local stakeholder consultation process and that due steps were taken to engage	☒

Item	Validation requirements	No CAR or CL remaining
consultation	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.	☒
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 MoC.	☒
	The MoC has been correctly completed and duly authorized.	☒
Avoidance of double registration	The proposed JCM project is not registered under other international climate mitigation mechanisms.	☒
Start of operation	The start of the operating date of the proposed JCM project does not predate January 1, 2013.	☒

Authorised signatory:	Mr. ☒ Ms. ☐
Last name: Asada	First name: Sumio
Title: Senior Executive	
Specimen signature:	Date: 02/04/2026
	

B. Validation team and other experts

	Name	Company	Function*	Scheme competence*	Technical competence*	On-site visit
Mr. ☐ Ms. ☒	Sachiko Hashizume	JQA	Team Leader	☒	Authorized	☒
Mr. ☒ Ms. ☐	Shingo Maki	JQA	Team Member	☐		☒
Mr. ☒ Ms. ☐	Tadashi Yoshida	JQA	Internal Reviewer	☒	Authorized	☐

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.*

C. Means of validation, findings, and conclusion based on reporting requirements

C.1. Project design document form

<Means of validation>

The validation team (hereinafter "team") assessed 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 by document review.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

No issues raised.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that 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.

C.2. Project description

<Means of validation>

The team confirmed whether the description of the proposed JCM project in the PDD is accurate, complete, and provides an understanding of the proposed JCM project.

As a part of Upscaling Renewable Energy Sector Project financed by Asian Development Bank (ADB), this proposed JCM project "Installation of 5MW solar PV system and 3.6MWh battery

energy storage system in Zavkhan Province” (hereinafter “project”), has newly installed a 5 MW solar PV system, 3.6 MWh battery energy storage system (BESS), and energy management system (EMS) connecting to the Altai-Uliastai Energy System(AUES), of which fossil fuel power generation is the main source for their electricity, in Uliastai soum and Aldarkhaan District, Zavkhan Province.

This JCM project is the first in Mongolia to install battery storage systems for utility-scale renewable energy generation.

The electricity generated by this solar PV system is charged to the BESS via the grid every day during the day, and the rest of the electricity is supplied to the grid. The electricity charged in the BESS is supplied to the grid at night when solar PV does not generate electricity.

The BESS and the solar PV system are located about 30 km apart via the grid.

The operation of the installed renewable energy system started on November 25, 2022.

Location of project is Zavkhan Province, Mongolia with Solar power plant in Aldarkhaan District (47°35'53.4"N 96°28'38.7"E) and BESS in Uliastai District (47°43'28.7"N 96°50'54.1"E). Project participants (hereinafter “PPs”) from Mongolia are Ministry of Energy and Taishir Green Energy State-Owned JSC. There are no PPs from Japan.

Duration is as follows:

Starting date of project operation: 25/11/2022

Expected operational lifetime of project: 25 years

Type and duration of crediting period: Fixed crediting period 10 years

Starting date of crediting period: NA

The introduction of the solar PV, BESS and EMS of the proposed Project was fully financed by a grant from the JFJCM of ADB, which is a trust fund contributed by the Government of Japan to support the adoption of advanced low-carbon technologies.

The state-of-the-art BESS, which has been developed by NGK INSULATORS, LTD. (NGK), and EMS system, which has been developed by JGC CORPORATION (JGC), were introduced in the project. NGK and JGC had also provided training to the O&M team in Bogd River Hydroelectric Power Plant LLC (later transferred to Taishir Green Energy State-Owned JSC. Through document review and interview, it was confirmed that the change does not affect the project), which will enable the sustainable operation of the project.

The team confirmed by means of on-site visit conducted from 08/12/2025 to 12/12/2025, review of the documents listed below, and interviews of PPs listed in E.1. List of interviewees.

Commissioning letter: Starting date of project operation

Manufacturer warranty : Expected operational lifetime of project

Issues were raised and closed as mentioned in the following section.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

CL01: Regarding PDD A.2. General description of project, it is requested to clarify that the EMS(s), BESS(s) and a solar PV system(s) are newly installed to replace a grid that is sourced at least from, but not limited to, one fossil fuel thermal power unit.

Response by PPs: PPs clarified PDD A.2. General description of project as “has newly installed a 5 MW solar PV system, 3.6 MWh battery energy storage system (BESS), and energy management system (EMS) connecting to the Altai-Uliastai Energy System, of which fossil fuel power generation is the main source for their electricity, in Uliastai soum and Aldarkhaan District, Zavkhan Province.”

Means of validation: The team confirmed through document review, on-site visit and interview that the clarification is accurate, complete, and provides an understanding of the proposed JCM project.

CL02: During the on-site visit, it was confirmed that the PPs name are to be changed in January 2026. It is requested to clarify the new names with relevant documents.

Response by PPs: The PPs provided the new names by providing the updated PDD and MoC with relevant documents.

Means of validation: The team confirmed through document review and interview that the new names in the PDD and MoC is appropriate.

CL03: During the on-site visit, it was confirmed that the commissioning was conducted on 25/11/2022. It is requested to clarify why the starting date of project operation is stated as 01/11/2022.

Response by PPs: The PPs revised the starting date of project operation as 25/11/2022.

Means of validation: The team confirmed through document review and interview that the clarification was adequate.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

By means of document review, on-site visit and interviews, the team concludes that the project description is accurate and complete.

C.3. Application of approved methodology(ies)

<Means of validation>

The team validated 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.

The Project applies the approved methodology, MN_MN004_ver01.0 "Installation of solar photovoltaic system and battery energy storage system." This methodology was approved by the JC on 20 December 2024. It is confirmed that this methodology is applicable to the project, that the applied version of 01.0 is valid at the time of the validation and that the Monitoring Plan Sheet (hereinafter "MPS") attached to the PDD is completed using the latest version of the monitoring spreadsheet form (JCM_MN_AM004_ver01.0).

The fulfilment of each eligibility criterion defined in the methodology is confirmed by document reviews, on-site visit and interviews. The assessment of the eligibility criteria provided by the approved methodology are summarized as below:

Criterion 1: EMS(s), BESS(s) and a solar PV system(s) are newly installed to replace a grid and/or captive electricity that is sourced at least from, but not limited to, one fossil fuel thermal power unit.

By reviewing the specifications of EMS, BESS and solar PV system, inspecting the site and interviews to the PPs, it is confirmed that the EMS, BESS and solar PV system has been installed in the project site. By review of the energy mix before the project implementation, it is confirmed that the project has replaced a grid electricity that is sourced from fossil fuel thermal power unit.

Criterion 2: The equipment to monitor the output power of the solar PV system(s) and BESS(s) is installed at the project site.

By reviewing the single-line diagram of the project, specifications of the monitoring equipment and on-site inspection, it is confirmed that the equipment to monitor the output power of the solar PV system and BESS is installed at the project site.

Criterion 3: The PV modules need to be certified for design qualifications (IEC 61215, IEC 61646 or IEC 62108) and safety qualification (IEC 61730-1 and IEC 61730-2).

By reviewing the certificates of the PV modules, it is confirmed that the PV modules installed by the Project have been certified for IEC 61215, IEC61730-1 and IEC 61730-2.

Criterion 4: In case the BESS(s) and the solar PV system(s) are not co-located, the transmission loss ratio between the solar PV system(s) and BESS(s) is less than 0.01 based on

the transmission loss ratio formula derived from Ohm's law as shown below:

$$TR_{grid} = TL_{grid} \div CE_{grid} \div CT_{grid}$$

$$TL_{grid} = PL_{grid} \times CT_{grid}$$

$$PL_{grid} = 3 \times LC_{grid}^2 \times LR_{grid}$$

$$LC_{grid} = CE_{grid} \div LV_{grid}$$

$$LR_{grid} = CR_{grid} \times TD_{grid}$$

By reviewing single-line diagram, relevant documents and on-site inspection, it is confirmed that the BESS and the solar PV system are not co-located and that the transmission loss ratio is 0.00053 which is less than 0.01.

An issue was raised and closed as mentioned in the following section.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

CL04: Regarding Project information on Criterion 4, the evidence of project value CRgrid is not clear. The PPs are requested to clarify the rationality of the CRgrid values by providing relevant evidence.

Response by PPs: The PPs clarified the rationality of CRgrid values by providing evidence of additional information to the MN AM001 version01 and with explanation of “From the additional information to the MN_AM001 Ver.01, Aluminum Conductors, Coated- Steel Reinforced (ACSR) is commonly used for overhead transmission lines in Mongolia. Highest direct current resistance (Ω/km) at 20deg.C is 0.1182 of ACSR 240/32mm². Alternate current resistance is 0.1197 (Ω/km), calculated with formula in additional information, and it has same meaning with the parameter “CRgrid” (Conductor resistance).”

Means of validation: The team confirmed through review of the provided documents and the recalculation of transmission loss ratio using the new project value, that the project meets Criterion 4.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes through the steps mentioned above 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.

C.4. Emission sources and calculation of emission reductions

<Means of validation>

The team assessed 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.

The electricity produced by the Project is supplied to AUES replacing electricity from fossil fuel thermal power unit. The proposed JCM project applies the methodology MN_AM004 "Installation of solar photovoltaic system and battery energy storage system, Ver. 01.0."

The source of reference emission is consumption of grid electricity, and the source of the project emissions is the auxiliary electricity for maintaining BESS operation. By document review, the on-site visit and interviews, it is confirmed that all relevant GHG emission sources covered in the applied methodology are included and that other emission sources which should be included do not exist.

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

The MPS is prepared by using JCM_MN004_ver01.0.xlsx. The team confirms that it is not altered, and its required fields are appropriately filled in.

As for project specific parameters to be fixed ex ante, there is only one parameter, EFgrid. The team assessed the estimated value by reviewing documents .

EFgrid: The reference CO2 emission factor of grid and captive electricity

The source of this parameter is defined in the applied methodology. In accordance with the applied methodology, the value for EFgrid is selected from the emission factor based on the national grid or based on captive diesel power generator. By the document reviews and on-site visit, the Team confirms that the Project is connected to the national grid (AUES) and that the reference emission factor is fixed at 0.68tCO2/MWh appropriately

An issue was raised and resolved as described below in the findings section.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

CAR01: During the on-site visit, the team confirmed that the calculation of estimated reference emissions needs to be corrected due to calculation mistake of reading. It is requested to correct

the calculation.

Response by PPs: The PPs corrected the calculation.

Means of validation: The team confirmed through document review that the calculation was corrected appropriately.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that 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 and that values for project specific parameters to be fixed ex ante listed in the Monitoring Plan Sheet are appropriate.

C.5. Environmental impact assessment

<Means of validation>

The team assessed whether the project participants conducted an environmental impact assessment, if required by Mongolia, in line with Mongolia's procedures.

The draft PDD stated that environmental impact assessment (hereinafter "EIA") is not required.

An issue was raised and resolved as described below in the findings section.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

CL06: During the on-site visit, the team confirmed that the EIA has been conducted in line with Mongolia's procedures. It is requested to clarify the legal requirement of EIA for the proposed project.

Response by PPs: The PPs clarified the legal requirement on EIA and revised the description of Section E. and F. in the PDD.

Means of validation: The team confirmed through document review and interview that the EIA is required by Mongolia and that the PPs conducted the EIA in line with Mongolia's procedures. The relevant description in the PDD is revised appropriately.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that the PPs conducted an EIA in line with Mongolia's procedures.

C.6. Local stakeholder consultation

<Means of validation>

The team confirmed whether the PPs have completed a local stakeholder consultation process and that due steps were taken to engage stakeholders and solicit comments for the proposed project.

The PPs conducted a local stakeholder consultation (hereinafter "LSC") with identified stakeholders:

-Venue: Project site and remote

-Date: 10/10/2024 10:00-11:00

-Stakeholders:

-Ministry of Energy

-Project operator

-Local authorities

By document reviews and interviews with the PPs, the team confirmed the following:

-The comments were invited from local stakeholders that are relevant for the proposed project

-The proposed project received no negative comments from the participants

-None of the received comments required further action

-The process and due steps were appropriate

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

No issue is raised.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that the LSC for the project is adequate.

C.7. Monitoring

<Means of validation>

The team confirmed 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.

By the document review and interviews with the PPs, the team confirmed that the role and responsibility of the monitoring were assigned according to the Monitoring Structure Sheet (hereinafter "MSS") of Monitoring Plan Sheet (MPS).

With respect to the monitoring structure, the following roles are confirmed based on MSS:

-Project Management Unit (herein after “PMU”) in Ministry of Energy of Mongolia (later updated as Integrated Project Management Unit) responsible for project planning, implementation, monitoring results and reporting.

-Operator responsible for checking and reporting the recordings.

An issue was raised and closed as mentioned in the following findings section.

The team confirmed whether the monitoring points for measurement are appropriate, as well as whether the types of equipment installed are appropriate.

Though the MPS of the applied methodology includes 5 ex-post monitoring points, the team confirms that the emission reductions from the proposed project are monitored with 3 monitoring points, namely (2), (3) and (4), by document review, interview and on-site inspection.

(1) EG_{i,pv,bess,p}: Not applicable. It is applicable for Option 1 in the methodology.

(2) EG_{i,pv,p}: Quantity of electricity generated by Solar PV system

(3) EC_{j,pv,p}: Quantity of PV-derived electricity sent from the grid to BESS for charging

(4) ED_{j,pv,p}: Quantity of PV-derived electricity discharged from BESS to the grid

(5) EC_{j,AC,p}: Not applicable. Discharged electricity from BESS at monitoring point (4) is quantity of electricity subtracted for auxiliary electricity consumption to operate BESS.

The electricity meter is replaced or calibrated at an interval following the national regulations in Mongolia or according to the manufacturer’s recommendation, unless a type approval, manufacturer’s specification, or certification issued by an entity accredited under international/national standards for the electricity meter has been prepared by the time of installation.

The daily readings are undertaken electronically using the EMS. Results of the readings are reported through weekly email by Operator and accumulated for calculation by PMU.

By reviewing relevant documents and interviewing with the PPs, the Team confirms that the electricity meters are calibrated in accordance with the regulations of Mongolia.

An issue was raised and closed mentioned in the following findings section.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

CL08: Regarding Operator's Role in MSS, it is required to clarify that the monitoring is conducted continuously. During the on-site visit, the team confirmed that the monitoring is conducted continuously but the MPS does not mention that the monitoring is conducted continuously.

Response by PPs: The PPs clarified the MSS by updating the Role as monitoring conducted continuously.

Means of validation: The team confirmed through interview, confirmation of data flow and the actual monitoring data that the MSS was feasible.

CL07: Regarding (d) Measurement methods and procedures in MPS, it is required to clarify the methods and procedures according to the actual situation of the project.

Response by PPs: The PPs clarified the MPS by updating methods and procedures in-line with the actual situation of the project.

Means of validation: The team confirmed through interview, confirmation of data flow and the actual data that the MPS was feasible.

CL05: Regarding PDD C.2. Figure of all emission sources, it is requested to clarify the monitoring points and flow within the figure. The figure did not clearly show the actual locations of monitoring points confirmed during the on-site visit.

Response by PPs: The PPs clarified the figure by updating the figure to the situation confirmed in the on-site visit.

Means of validation: The team confirmed through document review and interview that the figure was accurate, complete, and provides an understanding of the proposed JCM project.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that the described monitoring plan of the project complies with the requirements of the methodology and/or PDD and Monitoring Guidelines, and that the PPs are able to implement the described monitoring plan with a feasible monitoring structure.

C.8. Modalities of Communication

<Means of validation>

The team validated through interview and document review the corporate identity of all project participants and the focal point included in the MoC, as well as the personal identities, including specimen signatures and employment status, of their authorized signatories. The PPs provided updated MoC after the on-site visit which included the changes from Bogd River Hydroelectric Power Plant LLC to Taishir Green Energy State-Owned JSC and personnel of

PMU. The team validates that the MoC has been correctly completed and duly authorized.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

No issues raised.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team performed due diligence on the MoC in line with the requirements established in the relevant Guidelines by means described in the above section. The team concludes that the MoC complies with all relevant forms and requirements.

C.9. Avoidance of double registration

<Means of validation>

The team confirmed whether the proposed JCM project is not registered under other international climate mitigation mechanisms.

It is confirmed by a review of the relevant website (e.g. UNFCCC website, Voluntary credit website, etc.) that the project has not been registered under other international climate mitigation mechanism. The PPs provided a written confirmation in the MoC declaring the avoidance of double registration.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

No issue raised.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that the proposed JCM project is not registered under other international climate mitigation mechanisms at the stage of validation.

C.10. Start of operation

<Means of validation>

The team confirmed whether the start of the operating date of the proposed JCM project does not predate January 1, 2013.

The start of operation was indicated as 25/11/2022 in the PDD which was confirmed in the

commissioning letter.

The team confirmed by document review that the start of the operating date of the proposed JCM project does not predate January 1, 2013.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

No issue raised.

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

The team concludes that the start of operation date is correct and does not predate 01/01/2013, as required by the guidelines of the JCM projects.

C.11. Other issues

<Means of validation>

No other issue was identified.

<Findings>

Please state if CARs, CLs, or FARs are raised, and how they are resolved.

(Not applicable)

<Conclusion based on reporting requirements>

Please state conclusion based on reporting requirements.

(Not applicable)

D. Information on public inputs

D.1. Summary of public inputs

The PDD of the project, which was submitted in line with the Project Cycle Procedure, was made publicly available through the JCM website for public inputs. The duration of call for public inputs on the PDD was 30 calendar days subsequent to the publication of the PDD, and it started 25/12/2025. The specific JCM website is as below:

<https://www.jcm.go.jp/mn-jp/information/618>

No comment was received during the period of the public comments, covering 25/12/2025 to 24/01/2026; therefore, no action was required to be taken into due account by the PPs

D.2. Summary of how inputs received have been taken into account by the project participants

Not applicable.

E. List of interviewees and documents received

E.1. List of interviewees

- PMU of Ministry of Energy, Mongolia
 - Mr. Bayanjargal Sugar
 - Mr. Altai Erdenebaatar
 - Ms. Tserenjargal Adiyasuren
 - Mr. Naranbat Mendsaikhan
 - Ms. Dulguun Enkhbold
- Bogd River Hydroelectric Power Plant LLC
 - Mr. Bayarmagnai Dagva, Executive director
 - Mr. Nyamdorj Amgalanbaatar, Chief engineer
 - Ms. Odgerel Battur, Occupational safety and health engineer
- Taishir Green Energy State-Owned JSC
 - Mr. Amartuvshin Duger, Managing Director
 - Ms. Oyun-Erdene Dagvadorj, Operations Engineer
 - Mr. Lundeejantsan Duger, Repair part

E.2. List of documents received

1. Draft PDD (for public comments)
2. MPS
3. MoC
4. JCM Sustainable Development Contribution Plan Form
5. JCM Project Design Document Form (JCM_MN_F_PDD_ver04.0)
6. JCM Modalities of Communication Statement Form (JCM_MN_F_MoC_ver02.0.pdf)
7. Joint Crediting Mechanism Approved Methodology MN_AM004
“Installation of solar photovoltaic system and battery energy storage system”
8. MPS including MSS (format) (JCM_MN_AM004_ver01.0)
9. JCM Glossary of Terms (JCM_MN_Glossary_ver02.0)

10. JCM Project Cycle Procedure (JCM_MN_PCP_ver07.0)
11. JCM Guidelines for Developing Project Design Document and Monitoring Report (JCM_MN_GL_PDD_MR_ver04.0)
12. JCM Guidelines for Validation and Verification (JCM_MN_VV_ver01.0)
13. JCM Validation Report Form (JCM_MN_F_Val_Rep_ver02.1)
14. Commissioning letter
15. Statistics 2020
16. Single line diagram PV
17. Single line diagram BESS
18. IEC Certificate
19. Manufacturer 25 year warranty
20. EIA law
21. EIA approval
22. LSC Presentation material
23. LSC invitation letters
24. LSC report by Ministry of Energy
25. Electricity meter specification
26. Electricity meter calibration national regulation
27. JCM_MNPM001_01.0_additional_information

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.

Statement of competence



Name: Ms. Sachiko Hashizume

Qualified and authorized by Japan Quality Assurance Organization.

Function	
	Date of qualification
Validator	2015/11/20
Verifier	2015/11/20
Team leader	2018/6/22

Technical area within sectoral scopes	
	Date of qualification
TA 1.1. Thermal energy generation	2015/11/20
TA 1.2. Renewables	2015/11/20
TA 3.1. Energy demand	2015/11/20
TA 4.1. Cement and lime production	-
TA 13.1. Solid waste and wastewater	2015/11/20
TA 14.1. Afforestation and reforestation	-

Statement of competence



Name: Dr. Tadashi Yoshida

Qualified and authorized by Japan Quality Assurance Organization.

Function	
	Date of qualification
Validator	2014/12/22
Verifier	2014/12/22
Team leader	2014/12/22

Technical area within sectoral scopes	
	Date of qualification
TA 1.1. Thermal energy generation	2014/12/22
TA 1.2. Renewables	2014/12/22
TA 3.1. Energy demand	2014/12/22
TA 4.1. Cement and lime production	2015/11/12
TA 13.1. Solid waste and wastewater	2014/12/22
TA 14.1. Afforestation and reforestation	-