

JCM Project Design Document Form

A. Project description

A.1. Title of the JCM project

3.4MW Rice Husk Power Generation Project in Maule

A.2. General description of project and applied technologies and/or measures

A biomass power plant of 3.4MW is installed in the region of Maule in Chile, which utilizes the agricultural residue such as rice husk. The generated power is supplied to an electric company and reduces greenhouse gas (GHG) emissions by replacing the grid power.

A.3. Location of project, including coordinates

Country	The Republic of Chile
Region/State/Province etc.:	Maule
City/Town/Community etc.:	Parral
Latitude, longitude	36°13'28.2"S, 71°49'01.6"W

A.4. Name of project participants

The Republic of Chile	La Gloria S.A.
Japan	Asian Gateway Corporation

A.5. Duration

Starting date of project operation	01/07/2025
Expected operational lifetime of project	15 years

A.6. Contribution from Japan

The proposed project was partially supported by the Ministry of the Environment, Japan through the Financing Programme for JCM Model projects, which provided financial support of less than half of the initial investment for the project in order to acquire JCM credits. Implementation of the proposed project also contributes to the promotion of renewable energy in Chile.

B. Application of an approved methodology(ies)

B.1. Selection of methodology(ies)

Selected approved methodology No.	CL_AM003
Version number	1.0

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

Eligibility criteria	Descriptions specified in the methodology	Project information
Criterion 1	A biomass power plant is newly installed and supplies electricity to the regional grid and/or a recipient facility.	A biomass power plant of 3.4MW is newly installed for the project site, and it supplies electricity to the regional grid.
Criterion 2	The project power plant(s) uses only solid biomass fuels made of biomass residues.	The power plant in the project uses only solid biomass fuels made of biomass residues including rice husk.
Criterion 3	Solid biomass fuels utilized for the project are not used for energy applications in absence of the project activity. This can be demonstrated by the letter from suppliers of biomass residues.	The solid biomass fuels are used solely for the project. This is demonstrated by the letters from suppliers of biomass residues.

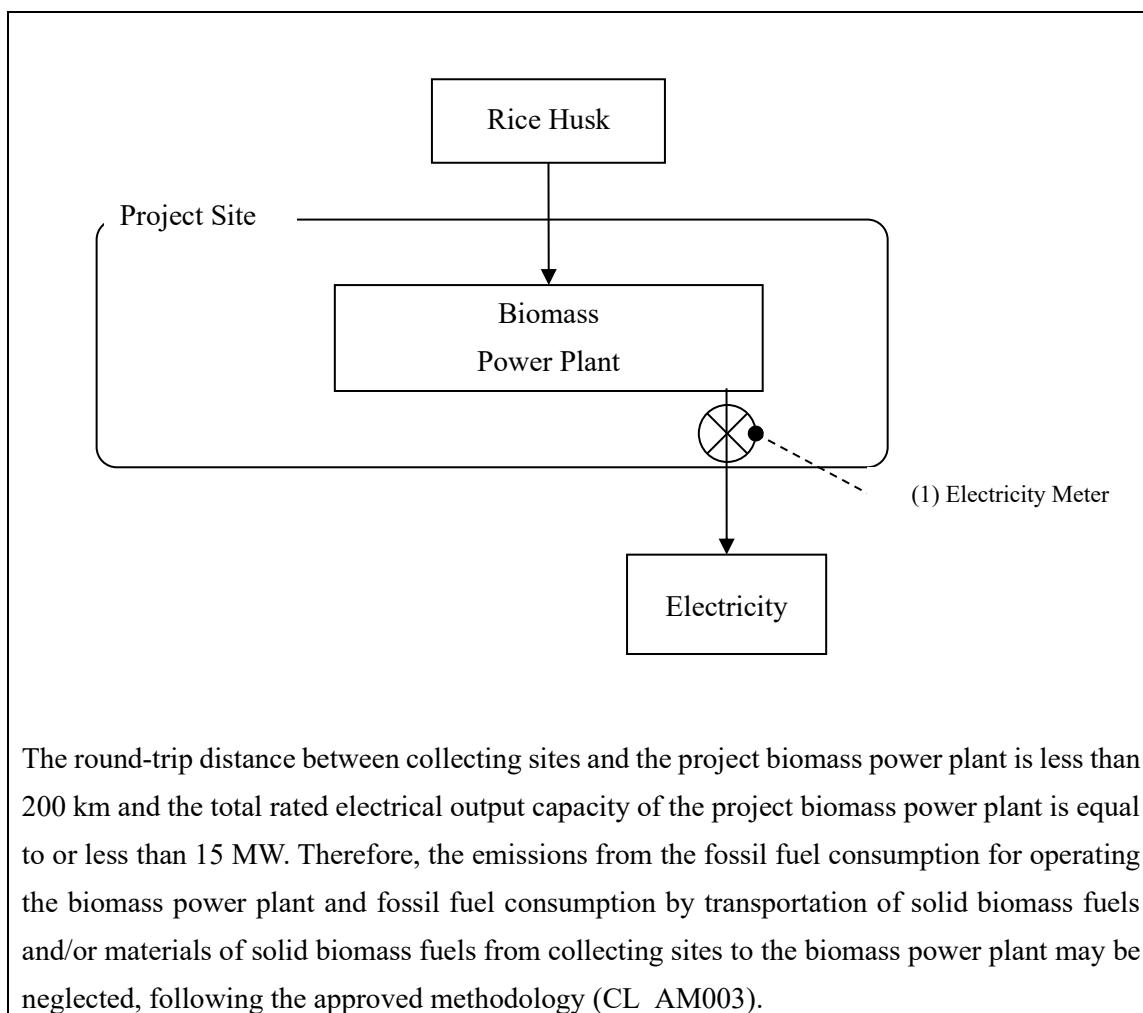
C. Calculation of emission reductions

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

Reference emissions	
Emission sources	GHG type
Grid electricity and/or captive power generation	CO ₂
Project emissions	
Emission sources	GHG type
Biomass fuel combustion in a biomass power plant	N/A
Fossil fuel consumption for operating a biomass power plant	CO ₂
Fossil fuel consumption by transportation of solid biomass fuels and/or materials of solid biomass fuels from collecting sites to a biomass power plant	CO ₂

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

The figure is shown below.



C.3. Estimated emissions reductions in each year

Year	Estimated Reference emissions (tCO ₂ e)	Estimated Project Emissions (tCO ₂ e)	Estimated Emission Reductions (tCO ₂ e)
2025	638.11	0.0	638
2026	4,693.00	0.0	4,693
2027	9,357.12	0.0	9,357
2028	9,357.12	0.0	9,357
2029	9,357.12	0.0	9,357
2030	9,357.12	0.0	9,357
Total (tCO ₂ e)			42,759

D. Environmental impact assessment

Legal requirement of environmental impact assessment for

No

the proposed project	
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E. Local stakeholder consultation

E.1. Solicitation of comments from local stakeholders

The project participants held a local stakeholder consultation meeting in order to take due steps to engage stakeholders and solicit comments for the proposed project. Details of the meeting is summarized as follows:

Date and Time: 13th October 2024, 10:00-11:00 (Chile time) / 22:00-23:00 (Japan time)

Venue: Online by Zoom

Agenda:

1. Opening remarks
2. Introduction of participants from all parties
3. Introduction of the project participants from Chile and Japan
- [Chile] La Gloria
- [Japan] Asian Gateway Corporation
4. Summary of the project and technology introduced
5. Questions and answers
6. Closing

The following entities were identified and invited as stakeholders. Those who were not able to participate were shown with ‘*’.

Stakeholders

- Ministry of Energy
- Ministry of Environment
- Ministry of Foreign Affairs *
- Embassy of Japan in Chile

E.2. Summary of comments received and their consideration

Stakeholders	Comments received	Consideration of comments received
Ministry of Energy	No comment received	No further action is needed
Ministry of Environment	No comment received	No further action is needed

Embassy of Japan in Chile	No comment received	No further action is needed
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F. References

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

Annex**Revision history of PDD**

Version	Date	Contents revised
01.0	27/01/2026	First Edition