Award Criteria Part II

Technical Maturity

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Technical Maturity – key points

Objective: assess the technical maturity of the proposed projects

Technical feasibility to deliver the expected output and GHG emissions avoidance

Technology risks and proposed mitigation measures

- **Application form, Part B, sections:**
  - 3.1 (technical maturity)
  - 3.4 (risk management)
  - Section 0: technical characteristics and scope / technology scope
- Feasibility study (mandatory annex)
- Any existing technical due diligence report (optional)

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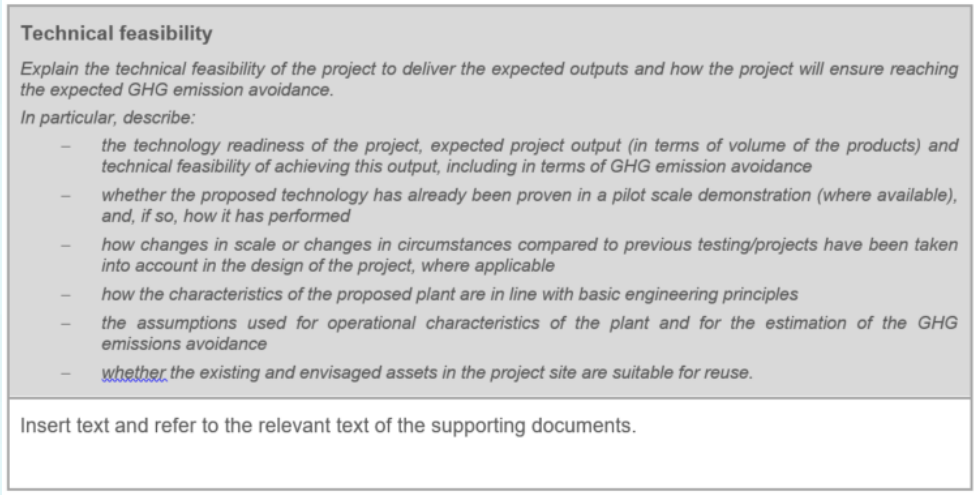
Technical Maturity

Technical feasibility to deliver the expected output and GHG emissions avoidance

Follow the guidance provided in the Application form, section 3.1



Technical feasibility

Explain the technical feasibility of the project to deliver the expected outputs and how the project will ensure reaching the expected GHG emission avoidance.

In particular, describe:

- *the technology readiness of the project, expected project output (in terms of volume of the products) and technical feasibility of achieving this output, including in terms of GHG emission avoidance*
- *whether the proposed technology has already been proven in a pilot scale demonstration (where available), and, if so, how it has performed*
- *how changes in scale or changes in circumstances compared to previous testing/projects have been taken into account in the design of the project, where applicable*
- *how the characteristics of the proposed plant are in line with basic engineering principles*
- *the assumptions used for operational characteristics of the plant and for the estimation of the GHG emissions avoidance*
- *whether the existing and envisaged assets in the project site are suitable for reuse.*

Insert text and refer to the relevant text of the supporting documents.

Guiding principle / key questions to reply:

- Explain the degree of technology readiness of the proposed solution and the technical feasibility of delivering the expected output (e.g. in terms of volume of the products) and, ultimately, achieving the GHG emissions avoidance within its operational environment. In particular:
  - Whether the proposed technology has already been proven in a pilot scale demonstration
  - The characteristics of the proposed plant: are they credible and in line with basic engineering principles?
  - Present clearly the assumptions used for operational characteristics of the plant and ultimately for the estimation of the expected outputs: have these been selected in a conservative yet accurate manner, i.e. to avoid under/over estimation of the estimated GHG emissions avoidance?
  - Clear reference to relevant parts of the Feasibility study and other supporting documents.

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Technical risks and proposed mitigation measures

Follow the guidance provided in the Application form, section 3.4

Technical risks and proposed risk mitigation measures *Describe key risks identified in relation to the technology, the proposed risk mitigation measures and why they are suitable.*
Insert text and refer to the relevant text of the supporting documents.

Guiding principle / key questions to reply:

- Describe key risks identified in relation to the proposed technology,
- Describe the proposed risk mitigation measures and why they are suitable
- Moreover, risks identified should be summarised in the risk table (section 3.4 application form)
- Underpin your analysis with the feasibility study and provide the risk heat map.

Critical risks and risk management strategy

List critical risks, uncertainties or difficulties related to the implementation of your project, and your measures/strategy for addressing them.

Indicate for each risk (in the description) the impact and the likelihood that the risk will materialise (high, medium, low), even after taking into account the mitigating measures.

***Note:** Uncertainties and unexpected events occur in all organisations, even if very well-run. The risk analysis will help you to predict issues that could delay or hinder project activities. A good risk management strategy is essential for good project management.*

Risk No	Description	Work package No	Proposed risk-mitigation measures

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Feasibility study

- The feasibility study is a **Mandatory annex**: it should include information in line with the minimum content indicated in section 5 of the call text:
  - Project description (background information, objectives, expected project outputs, innovation)
  - Location analysis and strategic overlook (site, site plans, stakeholders involvement and acceptance)
  - Technical maturity assessment (technology readiness, feasibility of achieving project outputs)
  - Environmental and socio-economic impacts and mitigation measures
  - Techno-economic feasibility
  - Risks and mitigation measures (including heat map)