



Biochar Project Assessment Questionnaire

Long Form



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Biochar Project Assessment Questionnaire



Biomass waste from industrial or agricultural processes represents a substantial and often underutilised resource. To evaluate the feasibility of converting this biomass into biochar, it is essential to assess the recoverable carbon content and the energy potential of the waste streams under consideration. This evaluation includes determining biochar yield and assessing its quality as a soil amendment—both of which directly impact the sustainability and economic viability of a potential project. Establishing a reliable estimate of biomass availability and its carbon conversion potential is critical to justifying investment in biochar production facilities.

Equally important is the management of factors such as high ash content or excessive moisture. These may require preprocessing steps (e.g., drying, shredding, or ash reduction techniques) to optimise the pyrolysis process. Without proper treatment, residual ash or contaminants could accumulate in the system, potentially leading to periodic shutdowns for reactor maintenance and cleaning.

The first step in assessing a biochar production opportunity is estimating the expected biochar yield from the available biomass and identifying potential revenue streams, such as savings on fertiliser inputs, income from carbon credits, or biochar sales. These estimates form the basis for developing a preliminary financial model that can provide early insights into project viability.

The following questionnaire is designed to gather essential data for an initial assessment of a biomass-to-biochar project. This information will serve as a strong foundation for a more comprehensive feasibility study.

Thank you for completing this questionnaire. Kindly submit the completed form to: sales@organicsbali.com or visit our website www.organicsbali.com for more info.

Biochar Project Assessment Questionnaire



General Project Information

First Name

Last Name

Position Title

Location of Project Site:

Country

Region

Company/ Organisation Name

Type of Organisation

Office Phone

Mobile Phone

Email

Website

Project Status

Biomass Feedstock

Primary feedstock type(s)

Annual feedstock availability

tonnes/year

Moisture content of feedstock

%

Particle size or form : Chips

Powder

Bales

Others

Is feedstock pre-processed : Dried

Shredded

Others

Distance from source to production

km

Feedstock sustainability certification obtained :

FSC

RSPO

Others

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Biochar Production Process

Existing technology (if identified)

Technology provider or partner (if identified)

Target biochar output tonnes/year

Expected co-products

Proposed end uses for co-products

Is electricity or heat recovery part of the project design? Yes No

Operational hours /year (or shifts per day)

Biochar Quality & Certification

Intended application for biochar

1. Soil amendments (biochar)
2. Sales to third-party (biochar)
3. Carbon Credit
4. Others

Required certifications or standards

Do you have access to a lab for biochar testing? Yes No

What parameters are you able or would like to test?

Expected biochar yield per tonne of feedstock (% dry weight)

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Site & Utilities

Available land for the plant m² ha

Is the site owned or leased? Owned Leased

Access to utilities

Access for logistics (feedstock
in, biochar/co-products out)

Regulatory & Environmental

Are any environmental permits required? Yes No

If yes (please specify e.g., air emissions,
solid waste, water discharge)

Is environmental impact assessment (EIA)
required for the project? Yes No

Any community or stakeholder concerns
noted?

Have carbon removal markets or
sustainability incentives been explored? Yes No

If yes (please specify)

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Commercial and Financial

The answer below is in Currency: USD local currency

Estimated CAPEX

Estimated OPEX per year

Planned revenue streams

Is the finance already in place? Yes No

If not, what are the additional steps required to secure funding?

Are you targeting voluntary or compliance carbon markets? Yes No

Expected project start date /
commissioning date

Are offtake agreements in place
or currently under discussion? Yes No

Support Needs & Next Steps

Do you require support with any
aspect of the project? Yes No

If yes, please describe:

Additional comments or
specific expectations:

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