



## Indicative Screening Report

Prepared using HyGOAT Screen for RFNBO compliance

Screening ID: RFNBO-SAMPLE-LOT1

### Sample Project (Illustrative Output)

Sample Project (Illustrative Output)

Egypt

99

Indicative Compliance Score

**No Gaps Identified**

Indicative screening against EU Delegated Acts 2023/1184 + 2023/1185

**INDICATIVE SCREENING: NO BLOCKING GAPS IDENTIFIED**

Generated: 12 May 2026

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### Regulatory Framework References

- EU DA 2023/1184 (RFNBO criteria: additionality, temporal, geographic)
- EU DA 2023/1185 (GHG savings threshold)
- India GHCI (MNRE, April 2025)
- ISO 14067:2018 (Carbon footprint)

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## How to read this report

### Where you stand. What is missing. What to fix before certification-body engagement.

An indicative export compliance passport for hydrogen producers targeting EU RFNBO-compliant offtake. Supports pre-FID, post-FID, and early-operation projects. Each section answers one reader question against EU Commission Delegated Regulation (EU) 2023/1185 Annex C.

#	Section	Reader question
1	Navigation Map	<i>How do I read this report?</i>
2	Executive Certification Readiness Dashboard	<i>Can I approach a certification body now?</i>
3	RFNBO Gate Passport	<i>Which RFNBO gates pass, fail, or need evidence?</i>
4	Underwater Gap Map	<i>How deep are the gaps?</i>
5	Lifecycle GHG Threshold Panel	<i>How close am I to the RFNBO threshold?</i>
6	Certification Body Evidence Pack	<i>What documentation do I need?</i>
7	Pre-Certification Action Plan	<i>What should I do before external engagement?</i>
8	Methodology and Sources	<i>What rules and assumptions drove the result?</i>

### Two anchors for the rest of the report

- **Stage anchor (Section 2).** The pre-FID, post-FID, and operational lens. Locates the project on the certification pathway and names the risk class each stage carries today.
- **Source anchor (Section 8).** The exact EU Delegated Regulation references and CertifyHy-style benchmarks that drove each verdict, with methodology caveats.

### Pick up by reader role

Reader	Where to start
Founder / strategy	Section 2 (readiness dashboard) · Section 7 (action plan)
Plant engineering	Section 3 (gate passport) · Section 5 (threshold panel)
Regulatory / RFNBO compliance	Section 4 (gap heatmap) · Section 8 (sources)
Verification / evidence owner	Section 6 (evidence pack)

## Executive Certification Readiness Dashboard

### Can I approach a certification body now?

A single indicative verdict against EU Commission Delegated Regulation (EU) 2023/1185 Annex C, scored on the well-to-wheel lifecycle boundary. The project-stage lens locates the work on the certification pathway; the gate passport in Section 3 walks each criterion.

#### RFNBO Verdict

Export · well-to-wheel, lifecycle

Indicative: **APPROACHABLE**

**Boundary:** well-to-wheel (production, conversion if applicable, transport, end-use if applicable).

**Threshold:** 3.38 kgCO<sub>2</sub>eq/kgH<sub>2</sub> (EU Delegated Regulation (EU) 2023/1185 Annex C).

*Indicative screening only. An EC-recognised certification body must validate evidence before any RFNBO claim.*

### Project-stage lens

#### Pre-FID

No flag raised.

#### Post-FID

No flag raised.

#### Operational

No flag raised.

GHG margin

**2.82**

Below threshold by 0.56 kgCO<sub>2</sub>eq/kgH<sub>2</sub>

Evidence readiness

**6/6**

Supplied indicators across six pack groups

Project stage

**Operational**

Risk class: none

### Top blockers

✓ No blocking gaps identified at current input level. See Section 3 for the full gate passport.

Body sections walk through each gate, evidence group, and threshold. See Section 3 for gate-by-gate detail.

## RFNBO Gate Passport

### Which RFNBO gates pass, fail, or need evidence?

Six gate cards aligned to EU Commission Delegated Regulation (EU) 2023/1185 Annex C and Delegated Regulation (EU) 2023/1184 (additionality, temporal, geographic). Each card names the evidence supplied today, the evidence still missing, and what an EC-recognised certification body would expect.

**Additionality**

**PASS**

**Evidence supplied**

- Renewable commissioning date supplied
- Connection type: captive
- Legal route: article3 direct line

**Evidence missing**  
*None outstanding*

**Certification-body implication**  
*EC-recognised certification body will assess supplied evidence for additionality.*

**Temporal correlation**

**PASS**

**Evidence supplied**

- Matching window: hourly
- Operating hours documented
- Hourly metering plan

**Evidence missing**  
*None outstanding*

**Certification-body implication**  
*EC-recognised certification body will assess supplied evidence for temporal correlation.*

**Geographic correlation**

**PASS**

**Evidence supplied**

- Same bidding zone confirmed
- Bidding zone: EG-CANAL

**Evidence missing**  
*None outstanding*

**Certification-body implication**  
*EC-recognised certification body will assess supplied evidence for geographic correlation.*

**GHG intensity**

**PASS**

**Evidence supplied**

- Production intensity reported
- Boundary: well to wheel
- Transport emissions included

**Evidence missing**  
*None outstanding*

**Certification-body implication**  
*EC-recognised certification body will assess supplied evidence for ghg intensity.*

**Methodology**

**PASS**

**Evidence supplied**

- Calculation method: iso\_14067
- Third-party verified

**Evidence missing**  
*None outstanding*

**Certification-body implication**  
*EC-recognised certification body will assess supplied evidence for methodology.*

**Verification**

**PASS**

**Evidence supplied**

- Candidate certification scheme engaged
- Certification bodies referenced: 1
- Data collection: scada
- Mass balance system in place

**Evidence missing**  
*None outstanding*

**Certification-body implication**  
*EC-recognised certification body will assess supplied evidence for verification.*

Gate states are indicative based on self-reported inputs. An EC-recognised certification body must validate evidence before any RFNBO claim.

## Underwater Gap Map

### How deep are the gaps?

A severity-by-remediation-depth heatmap. Top-right cluster (critical severity, structural depth) is hardest to fix; bottom-left (low severity, documentation depth) is paperwork.

**✓ No gaps identified at current input level.** Re-screen with the full input set for granular gap analysis.

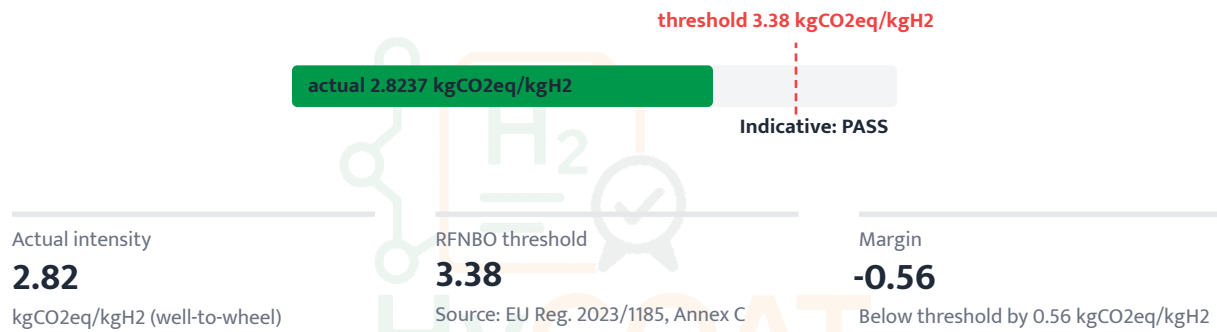
Severity reflects self-reported inputs. Certification-body review may revise.

## Lifecycle GHG Threshold Panel

### How close am I to the RFNBO threshold?

A single threshold check against EU Commission Delegated Regulation (EU) 2023/1185 Annex C, scored on the well-to-wheel lifecycle boundary. The bar shows actual delivered intensity against the 3.38 kgCO<sub>2</sub>eq/kgH<sub>2</sub> ceiling; the breakdown lists each in-scope component cited to its primary source.

### Delivered intensity vs RFNBO threshold



### Calculation breakdown (in-scope components)







Component	RFNBO treatment	Source
Production stage	Direct facility emissions, electrolyser energy, water treatment	Commission Delegated Regulation (EU) 2023/1185, Annex C
Transport	Delivered-intensity input (mode, distance, energy carrier)	Commission Delegated Regulation (EU) 2023/1185, Annex C; LHV H <sub>2</sub> = 120 MJ/kg (physical constant)

*Self-reported lifecycle estimate. Certification-body review may adjust values after evidence inspection. An EC-recognised certification body validates the binding lifecycle calculation.*

## Certification Body Evidence Pack

### What documentation do I need?

Six evidence groups aligned to EU Commission Delegated Regulation (EU) 2023/1185 Annex C and Delegated Regulation (EU) 2023/1184 (additionality, temporal, geographic). Each row names what an EC-recognised certification body expects, what the screening observed, what is still missing, and who owns the evidence.

Evidence group	Required	Supplied	Missing	Owner
 Facility identity and status	Project location, ownership, commissioning status, production method	Location: Egypt, Method: PEM, Capacity: 100 MW	None outstanding	Project team
 Renewable electricity	PPA, grid connection, installation date, additionality	Source: solar, Capacity: 120 MW, Connection: captive +1 more	None outstanding	Renewables / commercial
 Temporal and geographic correlation	Metering plan, time-matching window, geographic support	Matching: hourly, Same bidding zone confirmed, Zone: EG-CANAL	None outstanding	Operations / grid
 GHG methodology	Calculation boundary, intensity inputs, conversion and transport assumptions	Method: iso_14067, Boundary: well to wheel, Intensity declared +1 more	None outstanding	Sustainability lead
 MRV and verification	Metering, data retention, third-party verification plan	Data system: scada, Third-party verification arranged, Mass balance in place	None outstanding	MRV / QA
 Certification engagement	Candidate scheme, prerequisites, evidence gaps	Candidate scheme engaged, Bodies referenced: 1	None outstanding	Programme / commercial

### How to read this pack

- **Required.** Typical evidence items an EC-recognised certification body expects for the group.
- **Supplied.** What the screening observed in self-reported inputs.
- **Missing.** Open gaps mapped to the group; severity in Section 4.
- **Owner.** Suggested internal owner; final acceptance rests with the EC-recognised certification body.

*Evidence requirements reflect EU Commission Delegated Regulation (EU) 2023/1185 Annex C. An EC-recognised certification body must validate evidence before any RFNBO claim.*

## Pre-Certification Action Plan

### What should I do before external engagement?

Three buckets for the work that lands before an EC-recognised certification body sees the project. Now is the documentation and operating-data work that is fixable today; Next is the design and minor cleanup that needs planning; Before CB engagement is the candidate-scheme and evidence-pack assembly that gates the formal review.

#### Now

- ✓ No items in this bucket. The next certification-body engagement is not blocked by gaps in this category.

#### Next

- ✓ No items in this bucket. The next certification-body engagement is not blocked by gaps in this category.

#### Before CB engagement

- 🔍 **CB-03.** Assemble the pre-certification evidence pack (Section 6 groups).

To discuss how to prepare the evidence pack before external review, contact [info@hygoat.in](mailto:info@hygoat.in).

## Methodology and Sources

### What rules and assumptions drove the result?

A compact register of every primary source the screening cited. Each row names the topic, its primary regulatory citation, and where the source is applied in this report.

Topic	Primary source	Calculation note
RFNBO threshold (3.38 kgCO <sub>2</sub> eq/kgH <sub>2</sub> )	Commission Delegated Regulation (EU) 2023/1185, Annex C	Applied to the well-to-wheel delivered intensity in Section 5.
Fossil comparator (94 gCO <sub>2</sub> eq/MJ)	Commission Delegated Regulation (EU) 2023/1185, Annex C	Comparator basis underlying the 70% reduction target. Not re-applied during screening.
Additionality and correlation rules	Commission Delegated Regulation (EU) 2023/1184, Articles 4-7	Renewable-electricity sourcing, additionality, temporal and geographic correlation. Surfaced in Sections 4 and 6.
Hydrogen lower heating value (120 MJ/kgH <sub>2</sub> )	Physical constant	Unit conversion between gCO <sub>2</sub> eq/MJ and kgCO <sub>2</sub> eq/kgH <sub>2</sub> .

#### ✔ What this report includes

- Production-stage emissions inside the well-to-wheel boundary.
- Transport emissions when supplied; without transport the threshold panel surfaces "Pending Information" rather than scoring a partial input.

#### ✘ What this report excludes

- GHCI domestic-certification thresholds and Scope 1+2 boundary, out of RFNBO scope.
- H2Global tender overlay and any savings-percentage threshold, out of RFNBO scope.
- Scheme-specific certification-body fees and timelines, which are facility-specific and only the scheme operator can quote.

Source registry as of report generation date. Refer to the cited primary sources for binding text. An EC-recognised certification body validates the binding lifecycle calculation.

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