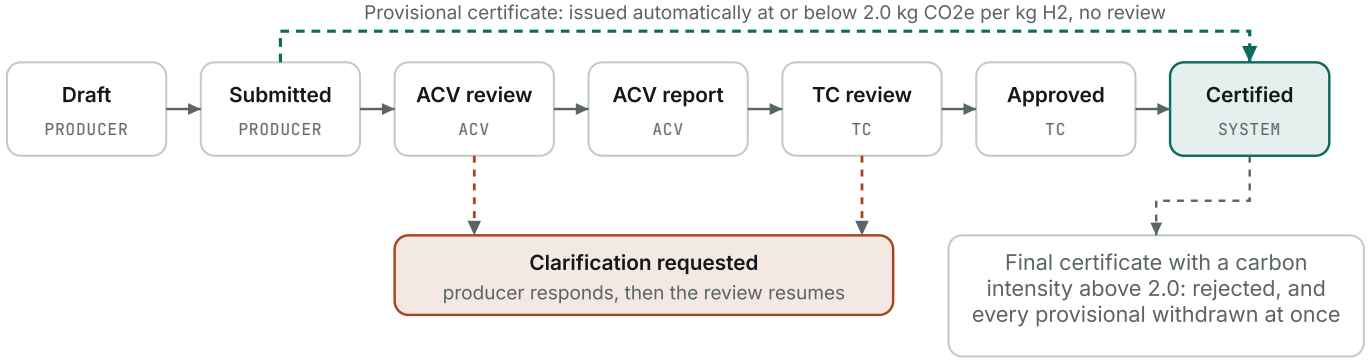
MNRE · NATIONAL GREEN HYDROGEN MISSION · 2026

A national registry for a process that did not yet exist

There was no process for certifying green hydrogen in India, so the process was defined with the ministry first. The portal was then built around it, passed an external security audit, and was launched by the Minister on 1 July 2026.

ROLE	SCOPE	SPAN	HEADLINE
Project Manager	**4 certificate types**	**Jan to Jul 2026**	**8 certificates issued**
Process definition to production, and the Phase 2 AI scope	11 modules, a team of ten, under MNRE	Public launch on 1 July 2026	From 20+ applications; 8 producers, 3 ACV, 4 TC



THE CONSTRAINT, AND THREE DECISIONS

- No existing certification process, so no benchmark to build against
- An external security audit stood between the build and production
- Validation rules that change through office memoranda, not releases

1. Append-only registry.
An amendment becomes a new record and the original stays intact.
COST Storage, harder read paths, an interface that must name the version.

2. Internal security review first.
The external audit met a platform already attacked.
COST Security effort pulled into a busy window.

3. AI held out of Phase 1.
Auditors learn the process before they judge an assistant.
COST A phase of efficiency delayed.

OUTCOME

8
certificates issued, from 20+ applications

1 Jul
public launch, by the Minister

48 / 51
internal findings closed before the external audit

3 days
for a change request that altered the workflow

> AI advises. A named officer approves every consequential action.

> Every generated claim cites the document supporting it.

Phase 2 AI: client approval received, procurement in progress. Expected outcomes are targets, not results.

Read the full case study
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