

QUALITY REPORT

Ceará Renewable Energy Project, Brazil

GS-38 · GS · Brazil

Report ID: CM-89E7803D · Generated: 2026-04-23 · Scoring Methodology: General v2.0

4.9

Overall Score
out of 10

■ Integrity (35%)	5.6
■ Transparency (25%)	5.0
■ Claim Safety (25%)	4.2
■ Documentation (15%)	4.5

Weights: Integrity 35% · Transparency 25% · Claim Safety 25% · Documentation 15%

Assessment Summary

The project has some integrity strengths (additionality confirmed by a VVB and a quantified leakage justification) but serious data reliability issues and inconsistencies across documents. Key gaps — large contradictions in claimed vs verified emissions reductions, reported reversals, and missing buffer/baseline reassessment information — reduce confidence and increase over-crediting risk.

Project Details

Registry	Gold Standard
Registry ID	GS-38
Sector	renewable_energy
Country	Brazil
Vintage	2017, 2018, 2019
Project Methodology	AMS-I.E 04
Crediting Period	2010 — 2020
VVB	IBOPE Instituto Brasileiro de Opinião Pública e Estatística Ltda.
Verified ERs	40,169 tCO ₂ e
Monitoring Period	2019 — 2019
Confidence	Medium
Documents Reviewed	67 documents reviewed
Scored	2026-04-23

Red Flags

- Large contradictions in total emissions reductions claimed/verified between verification and monitoring reports (82,711 vs 50,265 / 40,169).
- Reversal events reported with no buffer percentage disclosed and no clear permanence mitigation quantified.

Score Breakdown

Integrity — 5.6 / 10

- + Additionality confirmed by the VVB in the verification report (additionality test confirmed).
- Reversal events reported and no buffer pool percentage provided; baseline not reassessed in available records.

Additionality is supported and was confirmed by an independent verifier in the verification report, which is a strong positive. However, permanence is weakened: reversal events are reported and no buffer pool percentage is disclosed in the extracted record, and the baseline has not been shown to be recently reassessed (baseline_last_reassessed not found). Leakage is recorded as a quantified justification with a 0% deduction in the verification report (positive), but the absence of disclosed buffer and the reported reversals reduce overall robustness.

Transparency — 5.0 / 10

- + VVB named (IBOPE) and monitoring period provided (2019 calendar year) in the record.
- Key inputs missing or null in extracted records (grid emission factor, buffer pool %, FNRB method) and several contradictory values across documents.

The verification report and monitoring report name the VVB (IBOPE) and provide a monitoring period, and many documents were used (n=23). Nevertheless, essential inputs are missing from the extracted record (grid emission factor, buffer pool percentage, FNRB method) and extraction confidence is only medium. Multiple contradictions across the PDD, monitoring, and verification documents further weaken transparency and traceability.

Claim Safety — 4.2 / 10

- Large, unresolved contradictions in total emissions reductions (monitoring vs verification reports) which imply over-crediting risk.
- + Leakage treated as quantified with a 0% deduction per the verification report (positive but needs corroboration).

There is a material over-crediting risk: verification and monitoring reports disagree markedly on total emissions reductions (verification reported 82,711 in 2013 versus monitoring-reported values 50,265 and 40,169 in later monitoring documents). Leakage is documented as quantified with a 0% deduction in the verification report, which reduces leakage concern if accurate, but the ERR contradictions and unknown CORSIA/CCP status raise double-claim and greenwashing risks.

Documentation — 4.5 / 10

- + Multiple documents present and 23 documents used in extraction; VVB verification report dated 2013 is available.
- Minimum extraction confidence is medium, several fields are not stated in available documents, and there are multiple contradictions in core fields (baseline/crediting period/ERR).

Documentation quantity is reasonable (23 documents) and the verification report is present (2013). However, extraction confidence is medium and several important fields are null or not stated in the extracted record. There are multiple contradictions between documents (see contradictions list), and some key documents are dated (most verification material from 2013; PDD records from 2011 and 2020), reducing clarity and recency.

Risk Indicators

● Additionality	VVB-confirmed
● Permanence	reversals reported, buffer unclear
● Leakage	quantified, 0% deduction
● Baseline	project-specific baseline
● Safeguards	some safeguards mentioned, FPIC absent
● Double-claim	CORSIA/CCP status unknown

What Would Improve This Score

→ Resolve the large contradictions in total emissions reductions by publishing reconciled verified monitoring reports and an explanation for the differing figures.

→ Disclose buffer pool percentage, grid emission factor inputs, and evidence of baseline reassessment or justification to strengthen permanence and baseline credibility.

Documents Reviewed

- Monitoring Report_2nd monitoring period_01-01-2012 to 30-04-2013_v2.pdf
- Monitoring Report_3rd monitoring period_01-05-2013 to 28-02-2014_v3.pdf
- Monitoring Report_4th monitoring period_01-03-2014 to 30-11-2014_v5.1.pdf
- _1_Monitoring Report_2nd monitoring period_01.01.2012 to 30.04.2013_v2.pdf
- _1_Monitoring Report_4th monitoring period_01.03.2014 to 30.11.2014_v5.1.pdf
- (1)Monitoring Report_3rd monitoring period_01.05.2013 to 28.02.2014_v3.pdf
- (1)Monitoring Report_1st monitoring period_01.09.2010 to 31.12.2011_v5.pdf
- (1)Monitoring Report_4th monitoring period_01.03.2014 to 30.11.2014_v5.1.pdf
- (1)Monitoring Report_2nd monitoring period_01.01.2012 to 30.04.2013_v2.pdf
- (1)Monitoring Report_5th monitoring period_01.12.2014 to 31.08.2017_v3.pdf
- MR_Ceará Renewable Energy Bundled Project_01.09.2017_31.08.2020_v3.pdf
- MR calculation_ceará renewable energy bundled_01 09 2017_31 08 2020_v06.xlsx
- MR_Ceará Renewable Energy Bundled Project_01.09.2017_31.08.2020_v6_.pdf
- B.1_Emission reduction_GS11648_Ymbu_v3.0_final.xlsx
- GS Passport_v2.1.pdf
- PDD_11-07-2011.pdf
- PDD_18-01-2012.pdf
- PDD_19-08-2011.pdf
- _1_PDD_22 December 2006.pdf
- _2_GS Passport_15.01.2010.pdf
- registry_page_15.txt
- registry_page_16.txt
- (2)GS Passport_08-03-2012.pdf
- T-V4.0-Deviation-Request-Form_Ceara_GS1042_GSdecision.pdf
- GS Passport_02-07-2010.pdf
- (2)GS Passport_15.01.2010.pdf
- (2)GS Passport_04.11.2011_v3.1.pdf
- (1)GS Passport_v2.1.pdf
- (2)GS Passport_18.01.2012_v4.pdf
- Invitation Reminder LSC Ymbu_National stakeholders.pdf
- DEV_289.pdf
- registry_page_7.txt
- 203G_V1.0_AR_LUF_Risks-Capacities-Assessment_GS11648_v2.0_final.pdf
- T-PreReview_V1.1-Terms_and_Conditions_signed.pdf
- 430_V1.0_IQ_SDG-Impact-Tool_GS11648_v1.0.xlsx
- 501_V2.0_AR_GHG's_ODA-Declaration-Form_GS11648_signed.pdf
- T-PreReview_V1.1-Cover-Letter_GS11648_signed_v1.0.pdf
- Invitations LSC Ymbu_WhatsApp.pdf
- Evaluation forms_Formulários de Avaliação LSC 23022022.pdf
- 20230414_Project-Design-Document_GS11648_v4.1_final.pdf
- Invitation LSC Ymbu_Poster.pdf
- T-PreReview_V1.2-Project-Design-Document_GS11648_v2.0.pdf
- Invitation LSC Ymbu_Newspaper O POVO Article 26th Jan.pdf
- (1)PDD_22 December 2006.pdf
- (2)PDD_18.01.2012_v4.pdf
- PDD_20-05-2011.pdf
- PDD_04-11-2011.pdf

- T-PreReview_V1.1-Stakeholder-Consultation-Report_Ymbu_v1.0.pdf
- T-PreReview_V1.1-Stakeholder-Consultation-Report_Ymbu_v1.0_final_PUBLIC.pdf
- Gold Standard Assurance Platform — GS-38
- Gold Standard Registry — GS-38
- Gold Standard Assurance Platform — GS-3783
- Gold Standard Registry — GS-3783
- Verification Report_1st monitoring period_01-09-2010 to 31-12-2011_v4.pdf
- Verification Report_2nd monitoring period_01-01-2012 to 30-04-2013_v1.pdf
- _1_Verification Report_2nd monitoring period_01.01.2012 to 30.04.2013_v1.pdf
- (1)Verification Report_2nd monitoring period_01.01.2012 to 30.04.2013_v1.pdf
- (1)Verification Report_3rd monitoring period_01.05.2013 to 28.02.2014_v1.pdf
- (1)Verification Report_1st monitoring period_01.09.2010 to 31.12.2011_v4.pdf
- (1)Verification Report_5th monitoring period_01.12.2014 to 31.08.2017_v1.pdf
- (1)Verification Report_4th monitoring period_01.03.2014 to 30.11.2014_v1.3Aa.pdf
- GS1042 Validation Report_19.01.2012_v3.pdf
- GS.VER.20.174_FVer Rep_GS request2.pdf
- GS.VER.20.174_FVer Rep_Ceará.pdf
- CCIPL 1588 FVR v4.0.CL.pdf

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