

## Verification Report for UCR ID No. 417

DESCRIPTION	DATA
<b>Project Owner Name :</b>	<b>M/s ATIAIA ENERGIA S.A. / GRUPO CORNÉLIO BRENNAND</b>
<b>Project Location :</b>	<b>SHP Areado:</b> Country: Brazil, District: Chapadão do Sul, State: Mato Grosso do Sul, Code: 79560-000
	<b>SHP Bandeirante:</b> Country: Brazil, Districts: Chapadão do Sul and Água Clara, State: Mato Grosso do Sul, Code: 79560-000
	<b>SHP Pedra Furada:</b> Country: Brazil, District: Ribeirão, State: Pernambuco Code: 55520-000
<b>Project Aggregator:</b>	EG S Consultoria e Negócios LTDA (EGREENER)
<b>Scale of the project activity</b>	Large Scale
<b>Date</b>	19 <sup>th</sup> June -2024

DESCRIPTION	DATA
<b>Verification Firm:</b>	<b>Limbaja Energy</b>
	2 Shrijinagar, Arihantnagar Road,
	Nr. Aashapura cottages,
	Bhuj-Kachchh-370001
	M : +91 9714253756
	limbajaenergy@gmail.com
<b>Team Details:</b>	Mr. Jayprakash Jethi
	Mr. Tamizahmed Rayma

COVER PAGE	
Project Verification Report Form (VR)	
BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	Limbaja Energy
Type of Accreditation	<input type="checkbox"/> CDM or other GHG <input type="checkbox"/> Accreditation ISO 14065 Accreditation  <input checked="" type="checkbox"/> UCR Approved
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	01 Energy industries (Renewable/Non-renewable sources)
Validity of UCR approval of Verifier	Aug-2023 onwards
Completion date of this VR	19 <sup>th</sup> June 2023
Title of the project activity	<b>52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA</b>
Project reference no. (as provided by UCR Program)	417

<b>Name of Entity requesting verification service</b> (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	EG S Consultoria e Negócios LTDA (EGREENER)
<b>Country where project is located</b>	Brazil
<b>Applied methodologies</b> (approved methodologies by UCR Standard used)	ACM0002: “Grid-connected electricity generation from renewable sources” Version 21.0
<b>Contact details of the representative of the Entity, requesting verification service</b> (Focal Point assigned for all communications)	EG S Consultoria e Negócios <b>LTDA (EGREENER)</b> <a href="mailto:guilherme.mendes@egreener.io">guilherme.mendes@egreener.io</a> +55 11 91667 9359
<b>Project Verification Criteria:</b> Optional requirements to be assessed	<input checked="" type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria <input type="checkbox"/> Social Safeguards Standard do-no-harm criteria
<b>Project Verifier’s Confirmation:</b> The <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier <b>Limbaja Energy</b> certifies the following with respect to the UCR Project Activity <b>“52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA”</b> <input checked="" type="checkbox"/> The Project Owner has correctly

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described the Project Activity in the Project Concept Note Version 2.0 (dated 14<sup>th</sup> June 2024) including the applicability of the approved methodology **ACM0002**: “Grid-connected electricity generation from renewable sources” Version 21.0 & UCR Standard for Emission Factor and meets the methodology applicability conditions and has achieved the estimated GHG emission reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively.

☒ The Project Activity is likely to generate GHG emission reductions amounting to the estimated **[3,10,955]** TCO<sub>2e</sub>, as indicated in the PCN Version 2.0, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3.

☒ The Project Activity is not likely

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	<p>to cause any net-harm to the environment and/or society</p> <p><input checked="" type="checkbox"/> The Project Activity complies with all the applicable UCR rules<sup>1</sup> and therefore recommends UCR Program to register the Project activity with above mentioned labels.</p>
<b>Project Verification Report, reference number and date of approval</b>	Verification Report UCR Project ID: 417
<b>Name of the authorised personnel of UCR Project Verifier and his/her signature with date</b>	<p>Limbaja Energy</p> <div style="display: flex; align-items: center;">  <p>Jethi J.P.</p> </div> <p>Jayprakash Jethi          (Lead Verifier and Energy Auditor)          19/06/2024</p> <div style="display: flex; align-items: center;">  </div> <p>Tamizahmed Rayma          (Energy Analyst and Verifier)          19/06/2024</p>

## PROJECT VERIFICATION REPORT

### A. Executive Summary

The verification work has been contracted by project aggregator EG S Consultoria e Negócios LTDA (EGREENER) to perform an independent verification of its UCR project titled “52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA” **UCR approved project ID:417**, to establish number of CoUs generated by project over the crediting period from 01/01/2013 to 31/12/2023 (both days included).

#### Verification for the period: 01/01/2013 to 31/12/2023

In my opinion, the total GHG emission reductions over the crediting / verification period stated in the Monitoring Report (MR), submitted to me is found to be correct and in line with the UCR guidelines.

The GHG emission reductions were calculated on the basis of **ACM0002**: “Grid-connected electricity generation from renewable sources” Version 21.0.

The verification was done remotely by way of video calls and submission of documents for verification through emails as per UCR guidelines.

I am able to certify that the emission reductions from the **52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA** (UCR ID – 417) for the period 01/01/2013 to 31/12/2023 amounts to 3,10,955 CoUs (3,10,955 tCO<sub>2</sub>e).



### A.1 Scope of Verification

The scope of the verification is the independent, objective review and ex-post determination of the monitored reductions in GHG emission by the project activity.

- 1) The quality of data management and records of underlying data;
- 2) Completeness and accuracy of calculations and baseline emission reports;
- 3) Proper inclusion and documentation of all project locations,
- 4) Correct application of offset rules for filling Baseline Period data gaps;
- 5) Other data, methods and procedures deemed necessary to establish the accuracy of emission reductions.
- 6) Agreement stating Assurance to avoid double accounting for the project to be verified, along with required proof.

The project is assessed against the requirements of the UCR programme verification Guidance Document, UCR Standard, UCR Programme Manual and related rules and guidelines. Due professional care has been exercised and ethical conduct has been followed by the assessment team during the verification process. The verification report is a fair presentation of the verification activity. The validation of project is not part of present assignment and projects deemed validated post registration by UCR.

### A.2 Description of the Project

As described in the Project Concept Note (PCN) Version 2.0, the project activity involves Hydro Power project of installed aggregated capacity of 52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA at

**SHP Areado:** Country: Brazil, District: Chapadão do Sul, State: Mato Grosso do Sul,  
Code: 79560-000, Latitude: -19.544944°, Longitude: -52.504744°

**SHP Bandeirante:** Country: Brazil, Districts: Chapadão do Sul and Água Clara, State: Mato Grosso do Sul, Code: 79560-000, Latitude: -19.528611°, Longitude: -52.519722°

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**SHP Pedra Furada:** Country: Brazil, District: Ribeirão, State: Pernambuco, Code: 55520-000,  
Latitude: -8.518053°, Longitude: -35.488714°

The details of the project activity are verified with the project report copy submitted for verification.

As mentioned in the Monitoring Report and Emission Reduction Calculation sheet submitted for the verification, this project activity involves generation of grid connected electricity from the construction and operation of a new Hydro Generation Power project for selling it to State Electricity Grid and Private Party. The project activity is a renewable power generation activity which incorporates installation and operation of 18 MW Hydro Turbine at SHP Areado, 28 MW Hydro Turbine at SHP Bandeirante and 6.5 MW Hydro Turbine at SHP Pedra Furada and total installed capacity of 52.5 MW which will qualify for a Large-scale project activity under Type-I of the Large - Scale methodology. The project status is corresponding to the methodology **ACM0002**: “Grid-connected electricity generation from renewable sources” Version 21.0

Verified total emission reductions achieved through the project activity during the monitoring period is summarised below:

Summary of the Project Activity	
Start date of this Monitoring Period	01/01/2013
Carbon credits claimed up to	31/12/2023
Total Carbon Credit (tCO <sub>2</sub> eq)	3,10,955
Project Emission	0
Leakage Emission	0



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## B. Project Verification team, technical reviewer and approver

SN	Role	Last name	First name	Affiliation	Involvement in		
					Document review	Off-Site inspection	Interviews
1	Lead Verifier and Energy Auditor	Jethi	Jayprakash	Limbaja Energy (UCR authorised)	Yes	No	Yes
2	Energy Analyst and Verifier	Rayma	Tamizahmed	Limbaja Energy	Yes	No	No

## **C. Means of Project Verification**

### **C.1 Desk/document review**

The project documents submitted to UCR approved verifier Limbaja Energy was reviewed and validated by the lead verifier. The documents reviewed includes verification of legal status of individual project owner for consistency, project related documents like installation and commissioning of equipment used in project activity, monitoring related parameters including measuring instruments and their calibration records for the crediting period etc.

The PCN version 2.0 is made available to verifier post approval by UCR which is considered as validated documents and the content of validated PCN Version 2.0 are considered as record wherever required. Further the communication agreement made between project owner and project aggregator is document of UCR registry hence the project aggregator is treated as authorized representative of project owner. All the documents submitted by project aggregator to verifier is treated as documents submission on behalf of project owner.

The list of submitted document is available in subsequent section of this verification report under section “Document reviewed or referenced”.

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## C.2 Off-site inspection: Not Applicable

**Date of off site inspection: DD/MM/YYYY to DD/MM/YYYY**

No.	Activity performed Off-Site	Site location	Date
1.			
...			

## C.3 Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Leonardo	Oliveira Silva	Operations Manager	18/06/2024	Meter calibration, Double Counting and project overview
2	Leandro	Pereira Nunes	Customer Relationship Coordinator	18/06/2024	Meter calibration, Double Counting and project overview
3	Sergio	Posternak	Management and Planning Manager	18/06/2024	Meter calibration, Double Counting and project overview

## C.4 Sampling approach: Not Applicable

**C.5 Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised**

SN	Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
	Green House Gas (GHG)			
1	Identification and Eligibility of project type	Nil	Nil	Nil
2	General description of project activity	Nil	Nil	Nil
3	Application and selection of methodologies and standardized baselines	-	-	-
	i) Application of methodologies and standardized baselines		Nil	Nil
	ii) Deviation from methodology and/or methodological tool	Nil	Nil	Nil
	iii) Clarification on applicability of methodology, tool and/or standardized baseline	Nil	Nil	Nil
	iv) Project boundary, sources and GHGs	Nil	Nil	Nil
	v) Baseline scenario	Nil	Nil	Nil
	vi) Estimation of emission reductions or net anthropogenic removals	Nil	Nil	Nil
	vii) Monitoring Report	Nil	Nil	Nil
4	Start date, crediting period and duration	Nil	Nil	Nil
5	Environmental impacts	Nil	Nil	Nil
6	Project Owner- Identification and communication	Nil	Nil	Nil
7	Others (please specify)	Nil	Nil	Nil
	<b>Total</b>	Nil	Nil	Nil

## D Project Finding

### D.1 Identification and eligibility of project type

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	This Project is taken reference of CDM Methodology ACM0002: “Grid-connected electricity generation from renewable sources” Version 21.0 Hydro Energy Projects.
2	<b>Findings</b>	<ol style="list-style-type: none"> <li>1) Project activity is described through UCR approved PCN.</li> <li>2) UCR project communication agreement clearly defines the Project Proponent and Project Aggregator.</li> </ol>
3	<b>Conclusion</b>	<p>The UCR approved format is used for description and project meets the requirement of UCR verification standard and UCR project standard. UCR project communication agreement submitted to verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of project aggregator is verified using UCR communication agreement, Project correctly applies the verification standard, UCR project standard and UCR regulations.</p> <p>The project activity is overall meeting the requirements of UCR Verification standard and UCR project standard.</p>

## D.2 General description of project activity

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	The project activity involves the setting up of a Hydro Turbine Generator Project. The commissioning certificate is referred. The project capacity was verified through purchase order invoices of turbine. The power evacuation at the Substation is confirmed by electricity generation sheet.
2	<b>Findings</b>	1. Project Commissioning date is mentioned in the commissioning certificate. 2. Hydro Turbine Generator Capacity is same as mentioned technical specifications. 3. Project implementation and sale of energy abide the Electric Energy Trading Agreement.
3	<b>Conclusion</b>	The description of the project activity is verified to be true based on the review of PCN Version 2.0, MR, Commissioning Certificate, Purchase Order Copies, Electric Energy Trading Agreement and Technical Specification sheet.



## D.3 Application and selection of methodologies and standardized baselines

### D.3.1 Application of methodology and standardized baselines

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	This Project is taken reference of CDM Methodology ACM0002: “Grid-connected electricity generation from renewable sources” Version 21.0. For the applicability mentioned in the PCN Version 2.0 and MR, Commissioning certificate, Detailed Project Report and Electric Energy Trading Agreement documents were referred.
2	<b>Findings</b>	The methodology applied is applicable for the project activity.
3	<b>Conclusion</b>	Methodology application is appropriate meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. Referenced methodology is applicable to project activity.

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## D.3.2 Clarification on applicability of methodology, tool and/or standardized baseline

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	The documents reviewed CDM Methodology ACM0002: “Grid-connected electricity generation from renewable sources” Version 21.0. UCR Program standard, and UCR Verification Standard.
2	<b>Findings</b>	Brazil Emission factor calculated using the methodology is lower than UCR standard recommends. So, take the Brazil Emission factor.
3	<b>Conclusion</b>	The emission factor considered for the calculation of the emission reductions is verified with the UCR Program Standard. The total installed electrical energy generation capacity of the project equipment exceeds 15 MW thus meeting the requirement of large-scale project.

## D.3.3 Project boundary, sources and GHGs

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	This Environmental Operating License : (INSTITUTE OF ENVIRONMENT OF MATO GROSSO DO SUL) for PCH AREADO: CPF/CNPJ: 23670551000168 Validity up to: 3/09/2025, (INSTITUTE OF ENVIRONMENT OF MATO GROSSO DO SUL) for SHP BANDEIRANTE CPF/CNPJ: 15743124000134 Validity up to:31/07/2025,(Agência Estadual de Meio Ambiente - CPRH) SHP PEDRA FURADA CNPJ / CPF 08.995.894/0002-90 Validity up to: 28/03/2026.
2	<b>Findings</b>	Project boundary is appropriately defined in PCN version 2.0 which is physical and geographical site of power house.
3	<b>Conclusion</b>	Project boundary is in line with the applied methodology.


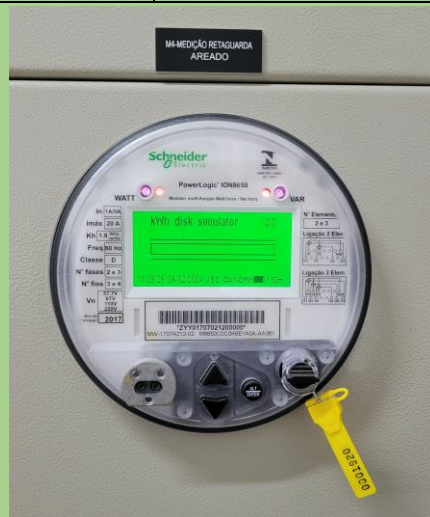
## D.3.4 Baseline scenario

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	PCN Section B.5 and General Project Eligibility Criteria and Guidance, UCR Standard.
2	<b>Findings</b>	Declared information is correct and verified.
3	<b>Conclusion</b>	Baseline scenario is appropriately described. The conservative value for emission considered. The baseline scenario is in accordance with UCR project verification standard and UCR project standard.

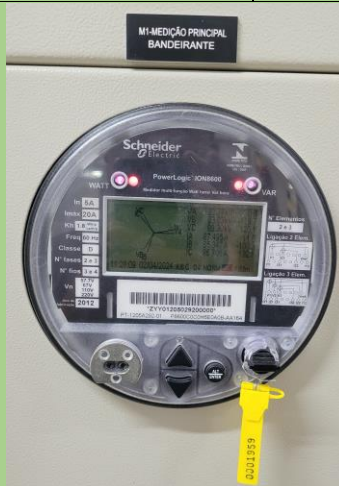

## D.3.5 Estimation of emission reductions or net anthropogenic removal

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	Export Meter Reading Reports, and General Project Eligibility Criteria and Guidance, UCR Standard
2	<b>Findings</b>	None
3	<b>Conclusion</b>	Emission reductions are correctly calculated. The instruments are calibrated and hence the emission reduction is reported correctly and meets the requirements of UCR verification standard and UCR project standard.


## D.3.6 Monitoring Report

SN	Particular	Remarks									
1	Means of Project Verification	Meter Calibration reports, Export Meter Reading Reports, and General Project Eligibility Criteria and Guidance, UCR Standard									
2	Findings	None									
3	Conclusion	<p>Meter testing reports are provided            Meter details are mentioned below.</p> <p>Energy meters installed at the site:  <b>AREADO Main Meter:</b></p> <table border="1"> <tr> <td><b>Make</b></td><td>Schnider Electric</td><td>Schnider Electric</td></tr> <tr> <td><b>Serial No.</b></td><td>MW-1707A824-02</td><td>MW-1707A212-02</td></tr> <tr> <td><b>Calibration Date</b></td><td>20-June-2023</td><td>20-June-2023</td></tr> </table> <div>   </div>	<b>Make</b>	Schnider Electric	Schnider Electric	<b>Serial No.</b>	MW-1707A824-02	MW-1707A212-02	<b>Calibration Date</b>	20-June-2023	20-June-2023
<b>Make</b>	Schnider Electric	Schnider Electric									
<b>Serial No.</b>	MW-1707A824-02	MW-1707A212-02									
<b>Calibration Date</b>	20-June-2023	20-June-2023									



SN	Particular	Remarks									
		<b>BANDEIRANTE Main Meter</b> <table border="1"> <tr> <td><b>Make</b></td><td>Schnider Electric</td><td>Schnider Electric</td></tr> <tr> <td><b>Serial No.</b></td><td>PT-1205A292-01</td><td>MW-1707A224-02</td></tr> <tr> <td><b>Calibration Date</b></td><td>26-Nov-2020</td><td>20-June-2023</td></tr> </table> <div>   </div>	<b>Make</b>	Schnider Electric	Schnider Electric	<b>Serial No.</b>	PT-1205A292-01	MW-1707A224-02	<b>Calibration Date</b>	26-Nov-2020	20-June-2023
<b>Make</b>	Schnider Electric	Schnider Electric									
<b>Serial No.</b>	PT-1205A292-01	MW-1707A224-02									
<b>Calibration Date</b>	26-Nov-2020	20-June-2023									
		<b>PEDRA FURADA Main Meter</b> <table border="1"> <tr> <td><b>Make</b></td><td>Schnider Electric</td><td>Schnider Electric</td></tr> <tr> <td><b>Serial No.</b></td><td>PT-1201A492-0</td><td>MW 2302B626-02</td></tr> <tr> <td><b>Calibration Date</b></td><td>18-Dec-2020</td><td>26-April-2023</td></tr> </table>	<b>Make</b>	Schnider Electric	Schnider Electric	<b>Serial No.</b>	PT-1201A492-0	MW 2302B626-02	<b>Calibration Date</b>	18-Dec-2020	26-April-2023
<b>Make</b>	Schnider Electric	Schnider Electric									
<b>Serial No.</b>	PT-1201A492-0	MW 2302B626-02									
<b>Calibration Date</b>	18-Dec-2020	26-April-2023									



SN	Particular	Remarks
		 <p>ONS (National Electric System Operator), in the "Submodule 6.16 - Maintenance of the billing measurement system" item 1.1.2, the calibration of the meters must occur every 5 years</p> <p>The meters and current transformers will be subjected to periodic calibrations/audits from ANEEL and CCEE to certify that electric energy injected in the grid data is reliable and precise, in a way to guarantee the reliability of the national grid and energy supply.</p> <p>The Calibration reports are verified with available serial number of meters. The errors are within permissible limits.</p> <p>Monitoring parameter as reported through MR adequately represents the parameters relevant to emission reduction calculation. The number of CoUs generation is calculated based on this accurately reported data. The calculation was done using excel sheet where all the parameters reported. The emission factor for electricity is as per UCR standard for. Monitoring and emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements</p>

## D.4 Start date, crediting period and duration

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	PCN Version 2.0 and MR, Commissioning certificate, Detailed Project Report and Power Purchase Agreement documents were referred.
2	<b>Findings</b>	None
3	<b>Conclusion</b>	The start date, crediting period and project duration reported correctly and this meets the requirements of UCR verification standard and UCR project standard.

## D.5 Positive Environmental impacts

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	PCN Version 2.0 were referred.
2	<b>Findings</b>	Declared information is correct and verified.
3	<b>Conclusion</b>	The positive environmental impact meets the requirement of UCR verification standard and UCR project standard

## D.6 Project Owner- Identification and communication

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	PCN Version 2.0, Communication Agreement, MR, Commissioning certificate, Power Purchase Agreement.
2	<b>Findings</b>	Declared information is correct and verified.
3	<b>Conclusion</b>	Project owner identified through communication agreement signed between PP and PA. Equipment purchase order and commission verified. Also, legal document like Power Purchase Agreement clearly establishes the project owner. The identification and communication correctly meet the requirement of project verification and UCR project standard.

## D.7 Positive Social Impact

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	Project has provided temporary employment to local people during its installation and commissioning. Also post commissioning some of people have employed permanently and local people were engaged leading to social financial benefit to surrounding. Overall social impact of project implementation is positive on the surrounding area.
2	<b>Findings</b>	None
3	<b>Conclusion</b>	Project has overall positive social impact.

## D.8 Sustainable development aspects (if any)

SN	Particular	Remarks
1	<b>Means of Project Verification</b>	PCN Version 2.0 were referred.
2	<b>Findings</b>	Declared information is correct and verified.
3	<b>Conclusion</b>	The Project addresses SDG 1 No Poverty, SDG 2 No Hunger, SDG 3 Good Health and Well Being, SDG 4 Good Education, SDG 5 Gender Equality, SDG 6 Clean Water and sanitation, SDG 7 Affordable, SDG 8 Decent work and Economic Growth, SDG 9 Industry, Innovation and Infrastructure, SDG 10 Reduce Inequalities, SDG 11 Sustainable Cities and Communities, SDG 12 responsible Consumption and Production, Clean Energy and SDG 13 Climate Action, SDG 14 Life Below Water, SDG 15 Life of Land, SDG 16 Piece, Justice and Strong Institutions and SDG 17 Partnerships for the Goal

## **E. Internal quality control:**

- ✚ Due professional care has been taken while reviewing the submitted document.
- ✚ There is no conflict of interest as the verifier has no other engagement with either aggregator or project owner directly or indirectly.
- ✚ Verification team consists of experience personnel.
- ✚ Technical review is performed by experienced and independent person

**F. Project Verification Opinion**

Considering the above-mentioned verification conducted on the basis of UCR Protocol, which draws reference from UCR Protocol Standard Baseline, CDM UNFCCC Methodology ACM0002: “Grid-connected electricity generation from renewable sources” Version 21.0 & UCR Standard for Emission Factor and the documents submitted during the verification including the data, Project Concept Note (PCN) Version 2.0 / Monitoring Report (MR), I am able to certify that the emission reductions from the 52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA (UCR ID – 417) for the period 01/01/2013 to 31/12/2023 amounts to 3,10,955CoUs ( 3,10,955 tCO<sub>2</sub>e).



## Appendix 1. Abbreviations

SN	Abbreviations	Full texts
1	UCR	Universal Carbon Registry
2	CCEE	Chamber of Electric Energy Commercialization
3	ANEEL	National Electric Energy Agency
4	SIN	Sistema Interligado Nacional
5	CEPEL	Electric Energy Research Center
6	MR	Monitoring report
7	PCN	Project Concept Note
8	VR	Verification Report
9	VS	Verification Statement
10	DAA	Avoidance of Double Accounting Agreement
11	COD	Commercial Operation Date
12	PP/PO	Project Proponent / Project Owner
13	PA	Project Aggregator
14	EETA	Electric Energy Trading Agreement
15	ER	Emission Reduction
16	COUs	Carbon offset Units.
17	tCO <sub>2</sub> e	Tons of Carbon Dioxide Equivalent
18	kWh	Kilo-Watt Hour
19	MWh	Mega-Watt Hour
20	kW	Kilo-Watt
21	MW	Mega-Watt
22	CDM	Clean Development Mechanism
23	SDG	Sustainable Development Goal
24	CAR	Corrective Action Request
25	CR	Clarification Request
26	FAR	Forward Action Request



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SN	Abbreviations	Full texts
27	GHG	Green House Gas

## Appendix 2. Competence of team members and technical reviewers

SN	Last name	First name	Affiliation	Technical Experience
1	Jethi	Jayprakash	Lead Verifier and Energy Auditor at Limbaja Energy	Mr. Jayprakash Jethi is post graduate having more than 7 years of experience in the field of Energy Audit, Energy conservation and emission study.

## Appendix 3. Document reviewed or referenced

SN	Author	Title	Provider
1	UCR	Communication Agreement	PA
2	EG S Consultoria e Negócios LTDA (EGREENER)	Project Concept Note	PA
3	EG S Consultoria e Negócios LTDA (EGREENER)	Monitoring Report	PA
4	EG S Consultoria e Negócios LTDA (EGREENER)	Avoidance of double accounting	PA
5	EG S Consultoria e Negócios LTDA (EGREENER)	Emission Reduction Excel	PA
7	CCEE	Electricity Export Bill	PA
8	CCEE	Electric Energy Trading Agreement	PA
9	ANEEL	Commissioning Certificate	PA

## Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CLs from this Project Verification

CL ID	xx	Section no.	Date: DD/MM/YYYY
Description of CL			
Project Owner's response			Date: DD/MM/YYYY
Documentation provided by Project Owner			
UCR Project Verifier assessment			Date: DD/MM/YYYY

Table 2. CARs from this Project Verification

CAR ID	xx	Section no.	Date: DD/MM/YYYY
Description of CAR			
Project Owner's response			Date: DD/MM/YYYY
Documentation provided by Project Owner			
UCR Project Verifier assessment			Date: DD/MM/YYYY

Table 3. FARs from this Project Verification

FAR ID	xx	Section no.	Date: DD/MM/YYYY
Description of FAR			
Project Owner's response			Date: DD/MM/YYYY
Documentation provided by Project Owner			
UCR Project Verifier assessment			Date: DD/MM/YYYY

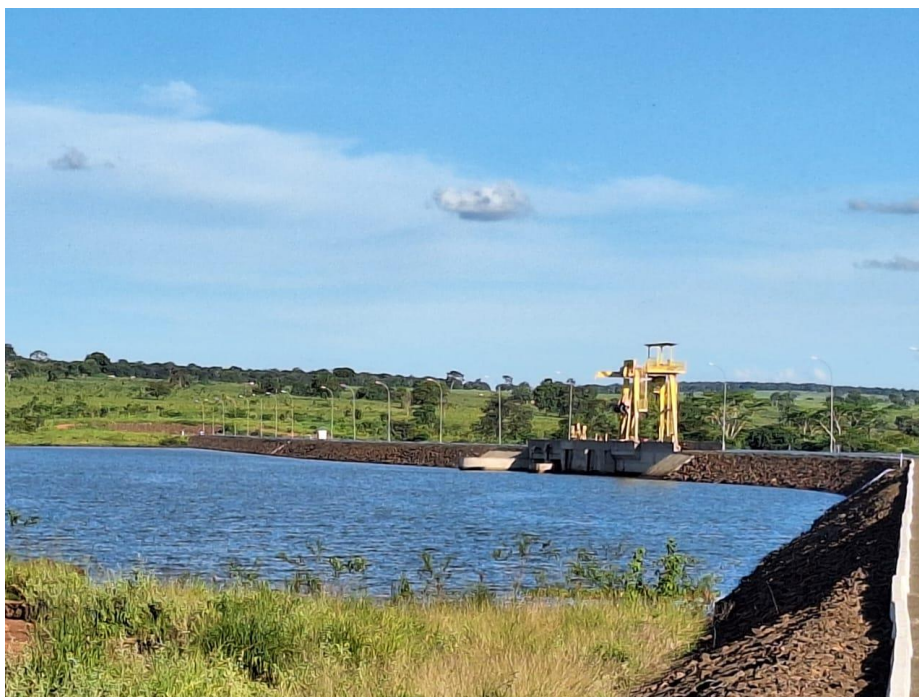
**Jayprakash Jethi**

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### Annexure 1: Photographs of Plant

#### AREADO Hydro Power Generator 1 & 2





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## BANDEIRANTE Hydro Power Generator 1 and 2





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### PEDRA FURADA Hydro Power Generator 1 & 2



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**Annexure 2: Commissioning certificate****AREADO Hydro Power Generator 1 & 2**

NATIONAL ELECTRIC ENERGY AGENCY - ANEEL

ORDER N<sup>o</sup> 2,802, OF OCTOBER 11, 2019Original text

THE SUPERINTENDENT OF SUPERVISION OF GENERATION SERVICES OF THE NATIONAL ELECTRIC POWER AGENCY – ANEEL, using the powers conferred by ANEEL Normative Resolution No. 583, of October 22, 2013, and considering what is contained in Process No. 48500.001664/2017-38, decides to release the UG1 and UG2 generating units, of 9,000 kW each, totaling 18,000 kW of installed capacity, of PCH Areado, Single Code of Generation Enterprises (CEG) PCH.PH.MS.033893-1.01, located in the municipality of Chapadão do Sul, state of Mato Grosso do Sul, owned by the company Areado Energia SA, to begin commercial operations from October 12th 2019.

GENTIL NOGUEIRA DE SÁ JÚNIOR



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### BANDEIRANTE Hydro Power Generator 1 and 2

NATIONAL ELECTRIC ENERGY AGENCY - ANEEL

ORDER N<sup>o</sup> 2,803, OF OCTOBER 11, 2019

Original text

THE SUPERINTENDENT OF SUPERVISION OF GENERATION SERVICES OF THE NATIONAL ELECTRIC POWER AGENCY – ANEEL, using the powers conferred by ANEEL Normative Resolution No. 583, of October 22, 2013, and considering what is contained in Process No. 48500.000355/2017-41, decides to release the generating units UG1 and UG2, of 9,333.33 kW each, totaling 18,666.66 kW of installed capacity, of PCH Bandeirante, Single Code of Generation Enterprises (CEG)

PCH.PH.MS.032163-0.01, located in the municipalities of Água Clara and Chapadão do Sul, state of Mato Grosso do Sul, owned by the company Rio Água Clara Energia SA, to begin commercial operations from October 12, 2019.

GENTIL NOGUEIRA DE SÁ JÚNIOR

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**+91 97142 53756****BANDEIRANTE Hydro Power Generator 3**

NATIONAL ELECTRIC ENERGY AGENCY - ANEEL

ORDER No. 2,883, OF OCTOBER 18, 2019

Original text

THE SUPERINTENDENT OF SUPERVISION OF GENERATION SERVICES OF THE NATIONAL ELECTRIC POWER AGENCY – ANEEL, using the powers conferred by ANEEL Normative Resolution No. 583, of October 22, 2013, and considering what is contained in Process No. 48500.000355/2017-41, decides to release the UG3 generating unit, with 9,333.34 kW of installed capacity, from PCH Bandeirante, Single Code of Generation Enterprises (CEG) PCH.PH.MS.032163-0.01, located in the municipalities of Água Clara and Chapadão do Sul, state of Mato Grosso do Sul, owned by the company Rio Água Clara Energia SA, to begin commercial operations from October 19, 2019.

GENTIL NOGUEIRA DE SÁ JÚNIOR

**Jayprakash Jethi**

Energy Auditor

**+91 97142 53756****PEDRA FURADA Hydro Power Generator 1 & 2**

NATIONAL ELECTRIC ENERGY AGENCY - ANEEL

ORDER No. 931, OF MARCH 20, 2012

Original text

THE SUPERINTENDENT OF SUPERVISION OF GENERATION SERVICES OF THE NATIONAL ELECTRIC POWER AGENCY – ANEEL, in the use of the duties conferred by ANEEL Resolution No. 433, of August 26, 2003, in accordance with the provisions of the aforementioned resolution, and considering what is stated of Process No. 48500.001975/2008-14, resolves: I - Release the generating units UG1 and UG2, of 3,250 kW each, totaling 6,500 kW of installed power, from PCH Pedra Furada, located in the Municipalities of Joaquim Nabuco and Ribeirão, State of Pernambuco, owned by the company Pedra Furada Energia SA, to begin commercial operations from the 21st March 2012, when the energy produced by the generating units should be available to the system.

ALESSANDRO D'AFONSECA CANTARINO

**Jayprakash Jethi**

Energy Auditor

+91 97142 53756

**Annexure 3: Assurance to Avoid Double Counting**

To:

Limbaja Energy  
2 Shrijinagar, Arihantnagar Road, Near A ashapura Cottages,  
Kutch,  
Bhuj-370001  
(Gujarat)

**Sub: Assurance to avoid double counting by Project Owners**

Dear Sir,

We declare the following given below:

- I, Guilherme Ferreira Mendes, on behalf of EG S CONSULTORIA E NEGÓCIOS LTDA (EGREENER), with details as provided in, incorporated in Brazil, having registered office at Rua Tabapuã 245, conj. 31, Itaim Bibi, São Paulo – SP, 04533-010.
- I, Sergio Posternak, on behalf of ATIAIA ENERGIA S.A., with details as provided in, incorporated in Brazil, having registered office at Rua João Francisco Lisboa, nº 385, Sala I, bairro Várzea, Recife - PE, 50741-100.

The parties identified above, herewith confirm that:

We intend to submit/have submitted the project 52.5 MW BUNDLED SMALL HYDRO POWER PROJECT BY ATIAIA (UCR PROJECT 417) for registration with UCR Program which aims for issuance of CoUs (called as Carbon Offset Units) consequent to compliance with all the applicable requirements of UCR Program;

Authorised Actions. EG S CONSULTORIA E NEGÓCIOS LTDA (EGREENER) is authorised to act for the Project Proponent with respect to state the following:

- The project is not registered more than once with the UCR program;
- The project is not registered under any other GHG program (voluntary or compliance);
- The project is registered under REC program. The amount of RECs issued is deducted as stated and calculated in the PCN and MR.
- Double counting with mandatory domestic targets is avoided and that host country will not use the project's emission reductions to track progress towards, or for demonstrating achievement of its nationally determined contributions (NDCs).

SIGNED for and on behalf of ATIAIA ENERGIA S.A. (Project Proponent):

By:  **SERGIO POSTERNAK**  
Data: 27/05/2024 14:56:58+0300  
verifique em <https://validar.jf.gov.br/>

Name: Sergio Posternak  
Title: Management and Planning Manager

SIGNED for and on behalf of EG S CONSULTORIA E NEGÓCIOS LTDA (Authorised Representative):

By:  **GUILHERME FERREIRA MENDES**  
Data: 27/05/2024 13:43:10-0300  
verifique em <https://validar.jf.gov.br/>

Name: Guilherme Ferreira Mendes  
Title: Founder / Technical Lead