

NATURELINK SOLUTIONS PRIVATE LIMITED

REG.OFFICE: H. NO. 6/121/1A, PLOT NO. G-1, VAIRAGI NI WADI, NEAR DELHI GATE SURAT – 395007
Email: audit@thenaturelink.in

Verification Report UCR ID:149



| | |
|----------------------|---|
| Title | 12 MW Small Scale Mini Hydel Power Project by M/S Balaji Energy Pvt. Ltd |
| Project Owner | M/s. Balaji Energy Pvt. Ltd |
| Address | 5-9-19, 1st Floor Laxmi Narsinh Estate, Secretariat Road Saifabad Hyderabad Pin Code-500063, India |
| Auditor | Mr. Shardul Amin, Lead Verifier, Email: audit@thenaturelink.in, Contact: +91- 7574804497, Naturelink Solutions Pvt. Ltd. |
| Date | 24/08/2022 |

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| COVER PAGE | |
|--|---|
| Project Verification Report Form (VR) | |
| BASIC INFORMATION | |
| Name of approved UCR Project Verifier / Reference No. | Naturelink Solutions Pvt Ltd (Lead Verifier) |
| Type of Accreditation | <input type="checkbox"/> CDM Accreditation <input type="checkbox"/> ISO 14065 Accreditation <input checked="" type="checkbox"/> UCR Approved Verifier |
| Approved UCR Scopes and GHG Sectoral scopes for Project Verification | Sectoral Scope: 01 Energy Industries |
| Validity of UCR approval of Verifier | May-2022 onwards |
| Completion date of this VR | 24/08/2022 |
| Title of the project activity | 12 MW Small Scale Mini Hydel Power Project by M/S Balaji Energy Pvt. Ltd.. |
| Project reference no. (as provided by UCR Program) | 149 |
| Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.) | Creduce Technologies Private Limited- |
| Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications) | Creduce Technologies Private Limited. Address: 2-O-13,14 Housing Board Colony, Banswara, Rajasthan - 327001, India. |
| Country where project is located | India |
| Applied methodologies (Approved methodologies by UCR Standard used) | AMS-I.D.: "Grid connected renewable electricity generation", version 18 |
| Project Verification Criteria: Mandatory requirements to be assessed | <input checked="" type="checkbox"/> UCR Standard <input checked="" type="checkbox"/> Applicable Approved Methodology |



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| | |
|--|--|
| | <input type="checkbox"/> Applicable Legal requirements /rules of host country <input checked="" type="checkbox"/> Eligibility of the Project Type <input checked="" type="checkbox"/> Start date of the Project activity <input checked="" type="checkbox"/> Meet applicability conditions in the applied methodology <input checked="" type="checkbox"/> Credible Baseline <input checked="" type="checkbox"/> Do No Harm Test <input checked="" type="checkbox"/> Emission Reduction calculations <input checked="" type="checkbox"/> Monitoring Report <input checked="" type="checkbox"/> No GHG Double Counting <input type="checkbox"/> Others (please mention below) |
| Project Verification Criteria: 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 |
| Project Verifier's Confirmation: The <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following: | <p>Mr. Shardul Amin, the lead verifier of the Naturelink Solutions Pvt Ltd (UCR approved) has verified the UCR Project Activity "12 MW Small Scale Mini Hydel Power Project by M/S Balaji Energy Pvt. Ltd.</p> <p><input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Concept Note 2.0 (dated 11/07/2022) including the applicability of the approved methodology A.M.S.I. D and meets the methodology applicability conditions and has achieved the estimated GHG</p> |

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| | |
|---|--|
| | <p>with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively.</p> <p><input checked="" type="checkbox"/> The Project Activity is likely to generate GHG emission reductions amounting to the estimated 2,82,667 tCO₂e, as indicated in the PCN, 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.</p> <p><input checked="" type="checkbox"/> The Project Activity is not likely 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 and therefore recommends UCR Program to register the Project activity with above mentioned labels.</p> |
| Project Verification Report, reference number and date of approval | Verification Report UCR Project ID: 149 Date: 24/08/2022 |
| Name of the authorised personnel of UCR Project Verifier and his/her signature with date |   Mr. Shardul Amin, Lead Verifier, Naturelink Solutions Pvt. Ltd Date : 24/08/2022 |

Project Verification Report

A. Executive Summary

The verification work has been contracted by project aggregator Creduce Technologies Pvt Ltd to perform an independent verification of its UCR project titled “**12 MW Small Scale Mini Hydel Power Project by M/S Balaji Energy Pvt. Ltd. UCR approved project ID:149**”, to establish number of CoUs generated by project over the crediting period from 01/01/2014 to 31/12/2021 (both days included).

Verification for the period : 01/01/2014 to 31/12/2021

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 UCR Protocols which draws reference from, Standard Baseline, AMS. I. D – Grid connected renewable electricity generation (Version 18.0). Owing to the Covid pandemic, the verification was done remotely by way of video calls, phone calls and submission of documents for verification through emails.

I am able to certify that the emission reductions from the 12 MW Small Scale Mini Hydel Power Project by M/S Balaji Energy Pvt. Ltd. UCR (UCR ID – 149) for the period 01/01/2014 to 31/12/2021 amounts to 2,82,667 CoUs (2,82,667 tCO₂e).

Scope

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.

Description of the Project

As described in the Project Concept Note (PCN), the project activity involves hydro project of installed aggregated capacity of 12 MW at Nellore district. The details of the project activity are verified with the project report copy submitted for verification.

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As mentioned in the Monitoring Report and Emission Reduction Calculation sheet submitted for the verification, the project replaces anthropogenic emissions of greenhouse gases (GHGs) estimated to be approximately 2,82,667 tCO₂e for the said period under verification, there on displacing 3,14,079 MWh amount of electricity from the generation mix of power plants connected to the Indian electricity grid, which is mainly dominated by the fossil-fuel based power plant.

The project activity is a grid connected renewable energy generation project having capacity of less than 15 MW. The project is a small-scale activity. The methodology applied in the Monitoring Report is verified against the A.M.S I. D “Grid connected renewable electricity generation” version 18.0.

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

Summary of the Project Activity and ERs Generated for the Monitoring Period

| | |
|--|-----------------------------|
| Start date of this Monitoring Period | 01/01/2014 |
| Carbon credits claimed up to | 31/12/2021 |
| Total ERs generated (tCO ₂ e) | 2,82,667 tCO ₂ e |
| Project Emission | 0 |
| Leakage Emission | 0 |

B. Project Verification team, technical reviewer and approver:

| No. | Role | Last name | First name | Affiliation | Involvement in | | |
|-----|---------------|-----------|------------|---|----------------|---------------------|------------|
| | | | | | Doc review | Off-Site inspection | Interviews |
| 1. | Lead Verifier | Amin | Shardul | Naturelink Solutions Pvt Ltd. (UCR authorised verifier) | Yes | No | No |

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C. Means of Project Verification

Desk/document review

The project documents submitted to UCR approved verifier Naturelink Solutions Pvt was reviewed by the technical expert and validated by the lead verifier. The documents reviewed involves verification of legal status of individual project owner for consistency, project related documents like installation and commissioning of equipment used in project activity. Environmental clearances from state or central pollution control board Consent to establish and operate, monitoring related meters/parameters equipment measuring instruments and their calibration records, to establish running of equipment for the crediting period etc.

The PCN is made available to verifier post approval by UCR which is considered as validated documents and the content of validated PCN 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”-section I.

On-Site inspection- Not applicable.

| Date of off-site inspection: DD/MM/YYYY to DD/MM/YYYY | | Not applicable as per UCR guideline site visit not conducted for this verification activity. | |
|---|-----------------------------|--|------|
| No. | Activity performed Off-Site | Site location | Date |
| 1. | | | |

Interviews: Not applicable

As per UCR guideline the site visit was not conducted during the course of verification and no interview conducted.

| No. | Interview | | | Date | Subject |
|-----|-----------|------------|------------------------|------------|--|
| | Last name | First name | Affiliation | | |
| 1. | Ahmed | Nazeer | Balaji Energy Pvt Ltd. | 14/07/2022 | Meter calibration and overall project activity |

Sampling approach: Not applicable

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Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised

| Areas of Project Verification findings | No. of CL | No. of CAR | No. of FAR |
|--|-----------|------------|------------|
| Green House Gas (GHG) | | | |
| Identification and Eligibility of project type | NIL | NIL | NIL |
| General description of project activity | 2 | NIL | NIL |
| Application and selection of methodologies and standardized baselines | -- | -- | -- |
| - Application of methodologies and standardized baselines | NIL | NIL | NIL |
| - Deviation from methodology and/or methodological tool | NIL | NIL | NIL |
| - Clarification on applicability of methodology, tool and/or standardized baseline | NIL | NIL | NIL |
| - Project boundary, sources and GHGs | NIL | NIL | NIL |
| - Baseline scenario | NIL | NIL | NIL |
| - Estimation of emission reductions or net anthropogenic removals | NIL | NIL | NIL |
| - Monitoring Report | NIL | 1 | NIL |
| Start date, crediting period and duration | NIL | NIL | NIL |
| Environmental impacts | NIL | NIL | NIL |
| Project Owner- Identification and communication | NIL | NIL | NIL |
| Others (please specify) | NIL | NIL | NIL |
| Total | 2 | 1 | NIL |

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D. Project Verification findings

D.1 Identification and eligibility of project type

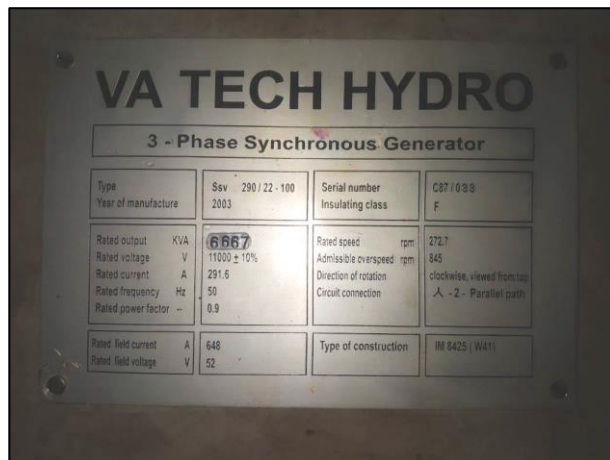
| | |
|--------------------------------------|---|
| Means of Project Verification | Project has taken reference of CDM methodology AMS-I D, version 18 Grid Connected Renewable Electricity Generation. |
| Findings | <ol style="list-style-type: none">1. Project activity is described through UCR approved PCN.2. UCR project communication agreement clearly defines the Project Proponent and Project Aggregator. |
| Conclusion | <p>The UCR approved format is used for description and project meets the requirement of UCR verification standard and UCR project standard.</p> <p>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

Means of Project Verification

The project activity involves the setting up of a run-of-river hydro power plants that were commissioned for operation as per the commissioning certificate verified. Each unit of Turbine is coupled with AC generator as verified with the name plate:

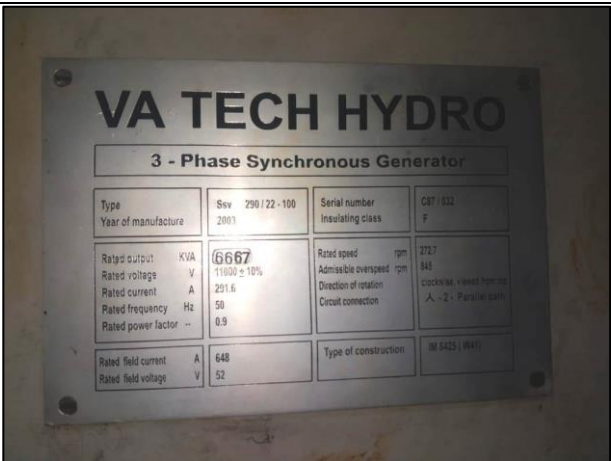
Balaji Phase I & II Generators



| VA TECH HYDRO | | | | | |
|---------------------------------|-----|----------------|-----------------------|----------------------------|-------|
| 3 - Phase Synchronous Generator | | | | | |
| Type | Ssv | 290 / 22 - 100 | Serial number | C87 / 038 | |
| Year of manufacture | | 2003 | Insulating class | F | |
| Rated output | KVA | 6667 | Rated speed | rpm | 272.7 |
| Rated voltage | V | 11000 ± 10% | Admissible overspeed | rpm | 845 |
| Rated current | A | 291.6 | Direction of rotation | clockwise, viewed from top | |
| Rated frequency | Hz | 50 | Circuit connection | Δ - 2 - Parallel path | |
| Rated power factor | -- | 0.9 | | | |
| Rated field current | A | 648 | Type of construction | IM 5425 (W41) | |
| Rated field voltage | V | 52 | | | |

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| | |
|-------------------|--|
| |  <p>The power evacuation at the Substation is confirmed by electricity generation sheet.</p> |
| Findings | <p>CL-1 is raised as PCN 1.0 mentioned that the project activity is off-grid.</p> <p>CL-2 raised as the project was registered on CDM with project ID 1201.</p> <ol style="list-style-type: none"> 1. Project Commissioning date is mentioned in the commissioning certificate. 2. Turbine Capacity is same as mentioned in the name plate and technical specifications. 3. Project implementation and sale of energy abide the power purchase agreement. |
| Conclusion | <p>CL-1 and 2 were closed.</p> <p>The project was registered on CDM and it was rejected. The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate, Purchase Order Copies and Technical Specification sheet.</p> |

D.3 Application and selection of methodologies and standardized baselines

D.3.1 Application of methodology and standardized baselines

| | |
|--------------------------------------|--|
| Means of Project Verification | Project has taken reference of CDM methodology A.M.S I.D. CDM website is referred to check the latest version of the methodology. For the applicability mentioned in the PCN and MR, Commissioning certificate, Detailed Project Report and PPA documents were referred. |
| Findings | The methodology applied is applicable for the project activity. |
| Conclusion | 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. |

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

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| | |
|--------------------------------------|--|
| Means of Project Verification | The documents reviewed are A.M.S I. D “Grid connected renewable electricity generation” version 18, UCR Program standard, and UCR Verification Standard. |
| Findings | None. |
| Conclusion | 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 does not exceed 15 MW thus meeting the requirement of small-scale project. |

D.3.3 Project boundary, sources and GHGs

| | |
|--------------------------------------|---|
| Means of Project Verification | Letter from CPCB dated 07/03/2016 No. B-29012/ESS(CPA)/2015-16. PCN section B.4. |
| Findings | Project boundary is appropriately defined in PCN version 02 which is physical and geographical site of power house. |
| Conclusion | Project boundary is correctly defined in revised PCN version 02. GHG source correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for boundary, GHG source. |

D.3.4 Baseline scenario

| | |
|--------------------------------------|---|
| Means of Project Verification | PCN Section B.5 and General Project Eligibility Criteria and Guidance, UCR Standard. |
| Findings | None |
| Conclusion | Declared information is correct and verified. 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

| | |
|--------------------------------------|--|
| Means of Project Verification | Joint Meter Reading Reports, and General Project Eligibility Criteria and Guidance, UCR Standard, page 4. |
| Findings | None |
| Conclusion | The COUs were rounded down for each vintage year. Emission reductions are correctly calculated. The data used are either monitored at plant. 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

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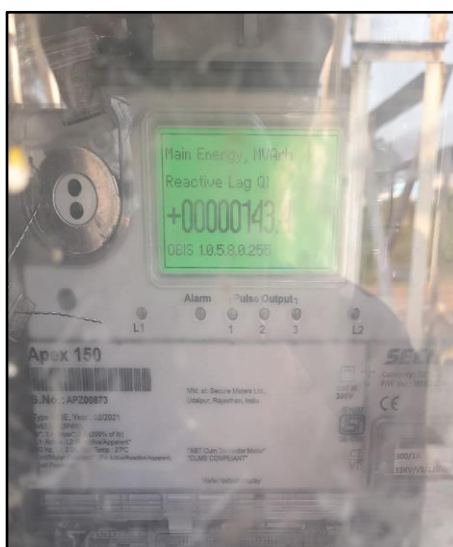
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Means of Project Verification

Meter Calibration reports, Joint Meter Reading Reports, and General Project Eligibility Criteria and Guidance, UCR Standard, page 4.

Energy meters installed at the site:

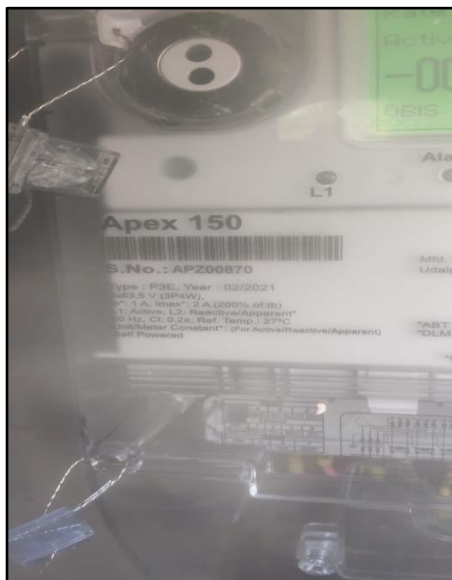
Balaji Phase I Somasila Meters



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Balaji Phase II Ananthasagarm



Findings

CL-2 has been raised for the replacement of meter and its calibration report. The meters are replaced in the month of May 2021 and the details are mentioned in the below table.

| Meter information. | | Old meters | New Meter |
|--------------------|-------|------------|-----------|
| Phase-1 | Main | AP903250 | APZ00872 |
| | Check | AP912648 | APZ00873 |
| Phase - 2 | Main | AP912647 | APZ00870 |
| | Check | AP903251 | APZ00871 |

Conclusion

CL-2 was closed since the main meters and the check meters are meters are calibrated half yearly by APTRANSCO. The new meters

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| | |
|--|---|
| | <p>installed in the month of May 2021 were also calibrated on 30/03/2021 by NABL accredited lab. The errors were 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 electricity component. Based on 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

| | |
|--------------------------------------|---|
| Means of Project Verification | PCN and MR, Commissioning certificate, Detailed Project Report and PPA documents were referred. |
| Findings | Declared information is correct and verified. |
| Conclusion | 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

| | |
|--------------------------------------|--|
| Means of Project Verification | PCN |
| Findings | Declared information is correct and verified. |
| Conclusion | The positive environmental impact meets the requirement of UCR verification standard and UCR project standard. |

D.6 Project Owner- Identification and communication

| | |
|--------------------------------------|--|
| Means of Project Verification | PCN, Communication Agreement, MR, Commissioning certificate, Power Purchase Agreement. |
| Findings | Declared information is correct and verified. |
| Conclusion | 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

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| | |
|--------------------------------------|--|
| Means of Project Verification | 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. |
| Findings | -- |
| Conclusion | Project has overall positive social impact. |

D.8 Sustainable development aspects (if any)

| | |
|--------------------------------------|---|
| Means of Project Verification | Not Applicable |
| Findings | -- |
| Conclusion | The Project has capability to address SDG 7 Affordable and Clean Energy and SDG 13 Climate Action |

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, AMS.I. D – Grid connected renewable electricity generation (Version 18.0), the documents submitted during the verification including the data, PPA, calibration reports, Project Concept Note (PCN) and Monitoring Report (MR), I am able to certify that the emission reductions from the project - 12 MW Small Scale Mini Hydel Power Project by M/S Balaji Energy Pvt. Ltd. (UCR ID – 149) for the period 01/01/2014 to 31/12/2021 amounts to 2,82,667 CoUs (2,82,667 tCO₂e).

G. Abbreviations

| Abbreviations | Full texts |
|---------------|--|
| UCR | Universal Carbon Registry |
| CPCB | Central Pollution Control Board |
| SDES | Sri Daakshyaani Energy Solutions |
| APTRANSCO | Andhra Pradesh Transmission Company |
| APSPDCL | Andhra Pradesh Southern Power Distribution Company Limited |
| MR | Monitoring report |
| PCN | Project Concept Note |
| VR | Verification Report |
| VS | Verification Statement |

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| | |
|--------------------|--|
| DAA | Avoidance of Double Accounting Agreement |
| COD | Commercial Operation Date |
| PP/PO | Project Proponent / Project Owner |
| PA | Project Aggregator |
| PPA | Power Purchase Agreement |
| ER | Emission Reduction |
| CoUs | Carbon offset Units. |
| tCO ₂ e | Tons of Carbon Dioxide Equivalent |
| kWh | Kilo-Watt Hour |
| MWh | Mega-Watt Hour |
| kW | Kilo-Watt |
| MW | Mega-Watt |
| CDM | Clean Development Mechanism |
| SDG | Sustainable Development Goal |
| CAR | Corrective Action Request |
| CL | Clarification Request |
| FAR | Forward Action Request |
| GHG | Green House Gas |
| HEP | Hydro Electric Power |

H. Competence of team members and technical reviewers

| No. | Last name | First name | Affiliation | Technical Competence |
|-----|-----------|------------|---|--|
| 1. | Amin | Shardul | Lead Verifier at Naturelink Solution Pvt Ltd. | Mr. Shardul Amin is post graduate having 5 years of experience in the field of waste to energy, thermochemical conversion technologies and emission study. |

I. Document reviewed or referenced

| No. | Author | Title | References to the document | Provider |
|-----|----------------|-------------------------------------|----------------------------|----------|
| 1 | UCR | Communication Agreement | | PA |
| 2 | Creduce | Project Concept Note | | PA |
| 3 | Creduce | Monitoring Report | | PA |
| 4 | Creduce | Avoidance of double accounting | | PA |
| 5 | Creduce | Emission Reduction Excel | | PA |
| 6 | APTRANSCO & PP | Energy Generation Sheet (2014-2021) | | PA |
| 7 | SDES | Meter Calibration (2021) | | PA |
| 8 | SDES | Meter Calibration (2022) | | PA |
| 9 | APSPDCL | Commissioning Certificate | | PA |

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J. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

| CL ID | 1 | Section no.: D.2 | General description of project activity | Date: 08/07/2022 |
|---|---|------------------|---|------------------|
| Description of CL | | | | |
| <i>Why the project activity is described as off-grid in PCN 1.0?</i> | | | | |
| Project Owner's response | | | | Date: 13/07/2022 |
| <i>It was typing error. The project is on grid as mentioned in the PPA.</i> | | | | |
| Documentation provided by Project Owner | | | | |
| <i>PCN 2.0 and PPA.</i> | | | | |
| UCR Project Verifier assessment | | | | Date: 24/08/2022 |
| <i>The information is found to be correct and as per PPA.</i> | | | | |

| CL ID | 2 | Section no.: D.2 | General description of project activity | Date: 08/07/2022 |
|---|---|------------------|---|------------------|
| Description of CL | | | | |
| <i>Please clarify the status of double accounting as project was registered on CDM.</i> | | | | |
| Project Owner's response | | | | Date: 13/07/2022 |
| <i>Project was registered on CDM but rejected and no issuance was given.</i> | | | | |
| Documentation provided by Project Owner | | | | |
| <i>None</i> | | | | |
| UCR Project Verifier assessment | | | | Date: 24/08/2022 |
| <i>As project was rejected, there will no be double accounting.</i> | | | | |

Table 2. CARs from this Project Verification

| CAR ID | 1 | Section no. | | Date: 13/07/2022 |
|---|---|-------------|--|------------------|
| Description of CAR | | | | |
| <i>The old meters mentioned in this report are replaced in the month of May 2021 and its calibration reports are required for verification process.</i> | | | | |
| Project Owner's response | | | | Date: 16/08/2022 |
| <i>Periodical testing of installed meters was carried out half yearly.</i> | | | | |
| Documentation provided by Project Owner | | | | |
| <i>Periodical test report scan copy</i> | | | | |
| UCR Project Verifier assessment | | | | Date: 24/08/2022 |
| <i>The meter error is within permissible limit.</i> | | | | |

Table 3. FARs from this Project Verification

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

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ANNEXURE I: Photographs of the Power Plant

Figure-1: Balaji Phase I & II



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ANNEXURE II: Electricity generation reports

January -2014

ANNEXURE-I

READINGS OF MAIN & CHECK METER FOR THE BILLING MONTH OF JANUARY 2014

| | | | |
|---|------------|------------------------------|-----------|
| Name & Location of the Plant: M/S Balaji Energy Pvt. Ltd, Phase-I, Somasila, Nellore (Dist) | | | |
| Location of Metering : at Somasila 33/11 KV Substation | | | |
| Fuel: | HYDEL | PPA / PWPA / PPWA / OA : PPA | |
| Date of Reading: | 21.01.2014 | Time of Reading: | 13.30 HRS |

| Details of Metering CTs & PTs | | | Details of Billing Energy Meters | | |
|-------------------------------|-----------|-----------|----------------------------------|------------|-------------|
| | CTs | PTs | | Main Meter | Check Meter |
| Class | 0.2 S | 0.2 S | Make | Secure | Secure |
| Burden | | | Sl.No. / Year | AP903250 | AP912648 |
| | | | Type | E3M021 | E3M021 |
| | Available | Adopted | Meter CT Ratio | 300/1A | 300/1A |
| CT Ratio | 300/1A | 300/1A | Meter PT Ratio | 33KV/110V | 33KV/110V |
| PT Ratio | 33KV/110V | 33KV/110V | MF for KWH | 1000 | 1000 |

| Readings of Main & Check meters | | | | |
|---------------------------------|------------|----------------------------------|--------------------|---------------------|
| Sl. No. | Display ID | Parameter | Main Meter Reading | Check Meter Reading |
| 1 | | KWH(Generator) | 34380.8 | 9083.8 |
| 2 | | KWH(Motor) | 80 | 34.3 |
| 3 | | KVARH LAG (Generator) | 603.1 | 93.6 |
| 4 | | KVARH LEAD (Generator) | 95.1 | 11.6 |
| 5 | | KVARH LAG (Motor) | 144.4 | 26.3 |
| 6 | | KVARH LEAD (Motor) | 7.1 | 3.3 |
| 7 | | KVAH (Generator) | 34399.9 | 9089.9 |
| 8 | | KVAH (Motor) | 178.5 | 47.4 |
| 9 | | KVA (Generator) | 5.66 | 5.48 |
| 10 | | KVA (Motor) | 0.1 | 0.08 |
| 11 | | Resets | 29 | 20 |
| 12 | | CUM KVA (Generator)(After Reset) | 109.04 | 59.96 |
| 13 | | CUM KVA (Motor)(After Reset) | 16.88 | 6.68 |


Divisional Engineer
TL&SS/Nellore


Divisional Engineer
Opn/ APSPDCL/Atmakur


DIRECTOR
BEPL

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ANNEXURE-I

READINGS OF MAIN & CHECK METER FOR THE BILLING MONTH OF JANUARY 2014

| | | | |
|---|------------|------------------------------|-----------|
| Name & Location of the Plant: M/S Balaji Energy Pvt. Ltd, Phase-II, Ananthasagaram, Nellore (Dist) | | | |
| Location of Metering : at Ananthasagaram 33/11 KV Substation | | | |
| Fuel: | Hydel | PPA / PWPA / PPWA / OA : PPA | |
| Date of Reading: | 21.01.2014 | Time of Reading: | 12.15 Hrs |

| Details of Metering CTs & PTs | | | Details of Billing Energy Meters | | |
|-------------------------------|-----------|-----------|----------------------------------|------------|-------------|
| | CTs | PTs | | Main Meter | Check Meter |
| Class | 0.2 S | 0.2 S | Make | Secure | Secure |
| Burden | | | Sl.No. / Year | AP912647 | AP903251 |
| | | | Type | E3M021 | E3M021 |
| | Available | Adopted | Meter CT Ratio | 300/1A | 300/1A |
| CT Ratio | 300/1A | 300/1A | Meter PT Ratio | 33KV/110V | 33KV/110V |
| PT Ratio | 33KV/110V | 33KV/110V | MF for KWH | 1000 | 1000 |

| Readings of Main & Check meters | | | | |
|---------------------------------|------------|----------------------------------|--------------------|---------------------|
| Sl. No. | Display ID | Parameter | Main Meter Reading | Check Meter Reading |
| 1 | | KWH(Generator) | 8971.6 | 30037.80 |
| 2 | | KWH(Motor) | 80.0 | 170.8 |
| 3 | | KVARH LAG (Generator) | 32.1 | 285.7 |
| 4 | | KVARH LEAD (Generator) | 149.8 | 345.3 |
| 5 | | KVARH LAG (Motor) | 8.7 | 25.7 |
| 6 | | KVARH LEAD (Motor) | 93.9 | 149.0 |
| 7 | | KVAH (Generator) | 8974.9 | 30050.2 |
| 8 | | KVAH (Motor) | 84.7 | 182.1 |
| 9 | | KVA (Generator) | 5.38 | 5.84 |
| 10 | | KVA (Motor) | 0.08 | 0.1 |
| 11 | | Resets | 22 | 27 |
| 12 | | CUM KVA (Generator)(After Reset) | 38.4 | 96.82 |
| 13 | | CUM KVA (Motor)(After Reset) | 30.0 | 20.36 |


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December – 2021

ANNEXURE-I READINGS OF MAIN & CHECK METER FOR THE BILLING MONTH OF DECEMBER 2021 (COD)

| | | | |
|---|------------|------------------------------|--|
| Name & Location of the Plant : M/S Balaji Energy Pvt. Ltd, Phase-I, Somasila, Nellore (Dist) | | | Capacity: 6MW |
| Location of Metering : at SOMASILA 33KV/11KV Substation | | | PPA Validity |
| Fuel: | HYDEL | PPA / PWPA / PPWA / OA : PPA | 27.6.2008 to 31.12.2025 (17Years) |
| Date of Reading: | 31.12.2021 | Time of Reading: | 0.00Hrs |

| Details of Metering CTs & PTs | | | Details of Billing Energy Meters | | | |
|-------------------------------|-----------|-----------|----------------------------------|-----------------|-----------------|----------------|
| | CTs | PTs | | Main Meter | Check Meter | Stand by Meter |
| Class | 0.2 S | 0.2 S | Make | Secure APEX 150 | Secure APEX 150 | NA |
| Burden | | | SI.No. / Year | APZ00872 | APZ00873 | NA |
| | | | Type | P3E | P3E | NA |
| | Available | Adopted | Meter CT Ratio | 300/1A | 300/1A | NA |
| CT Ratio | 300/1A | 300/1A | Meter PT | 33KV/110V | 33KV/110V | NA |
| PT Ratio | 33KV/110V | 33KV/110V | MF for KWH | 1000 | 1000 | NA |

| Readings of Main, Check, Standby meters | | | | | |
|---|------------|-------------------------|--------------------|---------------------|-----------------------|
| Sl. No. | Display ID | Parameter | Main Meter Reading | Check Meter Reading | Standby Meter Reading |
| 1 | | KWH(Generator) | 20478.1 | 20480.9 | NA |
| 2 | | KWH(Motor) | 10.7 | 15.1 | NA |
| 3 | | KVARH LAG (Generator) | 161.5 | 162.1 | NA |
| 4 | | KVARH LEAD (Generator) | 1.6 | 1.1 | NA |
| 5 | | KVARH LAG (Motor) | 21 | 23.8 | NA |
| 6 | | KVARH LEAD (Motor) | 60.00 | 59.2 | NA |
| 7 | | KVAH (Generator) | 20482.6 | 20485.4 | NA |
| 8 | | KVAH (Motor) | 25.3 | 30.7 | NA |
| 9 | | KVA (Generator) | ----- | ----- | NA |
| 10 | | KVA (Motor) | ----- | ----- | NA |
| 11 | | Resets | 10 | 10 | NA |
| 12 | | CUM KVA (Generator) | 44.89216 | 41.02792 | NA |
| 13 | | CUM KVA (Motor) | 4.42676 | 9.36260 | NA |
| 14 | | TOD - KVAH (Generator) | 3495.40 | 3495.50 | NA |
| 15 | | TOD - KVAH (Motor) | 3.20 | 3.90 | NA |

(x) JMR Readings taken on 31-12-2021 at 0.00Hrs for COD .


Executive Engineer
O&M/APTRANSCO/Nellore


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Opn/SPDCL/Atmakur


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ANNEXURE-I

READINGS OF MAIN & CHECK METER FOR THE BILLING MONTH OF DECEMBER 2021 (COD)

| | | | | |
|--|------------|------------------------------|----------|--|
| Name & Location of the Plant : M/S Balaji Energy Pvt. Ltd, Phase-II, Ananthasagaram, Nellore (Dist) | | | | Capacity: 6MW |
| Location of Metering : at Ananthasagaram 33/11 KV Substation | | | | PPA Validity |
| Fuel: | HYDEL | PPA / PWPA / PPWA / OA : PPA | | 27.6.2008 to 31.12.2025 (17Years) |
| Date of Reading: | 31.12.2021 | Time of Reading: | 0.00 Hrs | |

| Details of Metering CTs & PTs | | | | Details of Billing Energy Meters | | | |
|-------------------------------|-----------|-----------|----------------|----------------------------------|--------------------|----------------|--|
| | CTs | PTs | | Main Meter | Check Meter | Stand by Meter | |
| Class | 0.2 S | 0.2 S | Make | Secure APEX 150 | Secure APEX 150 | NA | |
| Burden | | | SI.No. / Year | APZ00870 | APZ00871 | NA | |
| | | | Type | P3E | P3E | NA | |
| | Available | Adopted | Meter CT Ratio | 300/1A | 300/1A | NA | |
| CT Ratio | 300/1A | 300/1A | Meter PT | 33KV/110V | 33KV/110V | NA | |
| PT Ratio | 33KV/110V | 33KV/110V | MF for KWH | 1000 | 1000 | NA | |

| Readings of Main, Check, Standby meters | | | | | |
|---|------------|-------------------------|--------------------|---------------------|-----------------------|
| Sl. No. | Display ID | Parameter | Main Meter Reading | Check Meter Reading | Standby Meter Reading |
| 1 | | KWH(Generator) | 2744.3 | 2744.6 | NA |
| 2 | | KWH(Motor) | 15289.2 | 15291.7 | NA |
| 3 | | KVARH LAG (Generator) | 17.9 | 17.5 | NA |
| 4 | | KVARH LEAD (Generator) | 106.5 | 108.0 | NA |
| 5 | | KVARH LAG (Motor) | 213.8 | 212.4 | NA |
| 6 | | KVARH LEAD (Motor) | 43.60 | 44.0 | NA |
| 7 | | KVAH (Generator) | 2747.3 | 2747.5 | NA |
| 8 | | KVAH (Motor) | 15296.4 | 15298.4 | NA |
| 9 | | KVA (Generator) | ---- | ---- | NA |
| 10 | | KVA (Motor) | ---- | ---- | NA |
| 11 | | Resets | 10 | 10 | NA |
| 12 | | CUM KVA (Generator) | 7.40104 | 7.40168 | NA |
| 13 | | CUM KVA (Motor) | 39.29240 | 39.28268 | NA |
| 14 | | TOD - KVAH (Generator) | 519.00 | 518.10 | NA |
| 15 | | TOD - KVAH (Motor) | 2544.60 | 2544.10 | NA |

(x) JMR Reading taken on 31-12-2021 at 0.00Hrs for COD.


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