

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:061



Title	2.5 MW Small Scale Hydro Power project by M/S Baragarh Hydro Power Co. Pvt. Ltd.
Project Owner	M/s Baragarh Hydro Power Co. Pvt. Ltd.
Project Location	Village : Prini, Dist. Kullu, Himachal Pradesh, India 32°13'25.4"N, 77°11'28.7"E.
Auditor	Mr. Shardul Amin, Lead Verifier, Email: audit@thenaturelink.in, Contact: +91- 7574804497, Naturelink Solutions Pvt. Ltd.
Date	30/01/2023

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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
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	30/01/2023
Title of the project activity	2.5 MW Small Scale Hydro Power project by M/S Baragarh Hydro Power Co. Pvt. Ltd.
Project reference no. (as provided by UCR Program)	061
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	Creduce Technologies Pvt. Ltd.
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Creduce Technologies Pvt. Ltd, Contact: +91-9016850742 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 <input type="checkbox"/> Applicable Legal requirements /rules of host country


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	<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:	Mr. Shardul Amin, the lead verifier of the Naturelink Solutions Pvt Ltd (UCR approved) has verified the UCR Project Activity "2.5 MW Small Scale Hydro Power project by M/S Baragarh Hydro Power Co. Pvt. Ltd. <input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Concept Note 2.0 (dated 29/12/2022) including the applicability of the approved methodology A.M.S I. D and meets the methodology applicability conditions and has achieved the estimated GHG emission reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively. <input checked="" type="checkbox"/> The Project Activity is likely to generate GHG emission

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	<p>reductions amounting to the estimated 37746 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	<p>Verification Report UCR Project ID: 061</p> <p>Date: 30/01/2023</p>
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	<div></div> <p>Mr. Shardul Amin, Lead Verifier, Naturelink Solutions Pvt. Ltd Date : 30/01/2023</p>

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 “**2.5 MW Small Scale Hydro Power project by M/S Baragarh Hydro Power Co. Pvt. Ltd. UCR approved project ID:061**”, to establish a number of CoUs generated by the project over the crediting period from 21/09/2017 to 31/12/2022 (both days included).

Verification for the period : 21/09/2017 to 31/12/2022

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 draw reference from, Standard Baseline, AMS.I-D – Grid connected renewable electricity generation (Version 18.0). The verification was done remotely by way of video calls, phone calls, and submission of documents for verification through emails as per UCR guidelines.

I am able to certify that the emission reductions from the 2.5 MW Small Scale Hydro Power project by M/S Baragarh Hydro Power Co. Pvt. Ltd., UCR (UCR ID – 061) for the period 21/09/2017 to 31/12/2022 amounts to **37746 CoUs (37746 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 the present assignment and projects deemed validated post-registration by UCR.

Description of the Project

This is a run-of-river project located in the Kullu District in the state of Himachal Pradesh. It utilizes flow of Allain and Dhungan Nallah of Beas River in district Kullu. The project envisages a generation capacity of 2.5 MW of power by utilizing the available rated net head 22 m. The project consists of a two Kaplan hydro turbine of 1.25 MW each. The net generated electricity

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from the project activity was sold to the state electricity board i.e., Himachal Pradesh State Electricity Board Ltd. (HPSEBL) under the Short Term Power Purchase Agreement (PPA) till March 2018 and since then it has been sold to IEX through open access request from HPSEBL every month. 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 verification, the project replaces anthropogenic emissions of greenhouse gases (GHGs) estimated to be approximately **37746 tCO₂e** for this monitoring period under verification, there on displacing **41944 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 a 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 are summarised below:

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

Start date of this Monitoring Period	21/09/2017
Carbon credits claimed up to	31/12/2022
Total ERs generated (tCO ₂ eq)	37746 tCO₂e
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 & Technical Expert	Amin	Shardul	Naturelink Solutions Pvt Ltd. (UCR authorised verifier)	Yes	No	Yes

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C. Means of Project Verification

C.1 Desk/document review

The project documents submitted to UCR approved verifier Naturelink Solutions Pvt. Ltd., was reviewed by the technical expert and verified by the lead verifier. The documents reviewed include verification of the 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 (CPCB), monitoring related parameters including measuring instruments and their calibration records for the crediting period, etc.

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

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

C.2 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.			

C.3 Interviews: Not applicable

As per UCR guideline the site visit was not conducted during the course of verification and only online interviews are conducted.

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Thakur	Mohan	Project In-charge, M/S Baragarh Hydro Power Co. Pvt. Ltd	27/01/2023	Meter calibration, PPA and SLDC NOC for open access, Commissioning Date, etc.

C.4 Sampling approach: Not applicable

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C.5 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	1	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	NIL	NIL
Start date, crediting period and duration	1	NIL	NIL
Environmental impacts	NIL	NIL	NIL
Project Owner- Identification and communication	NIL	NIL	NIL
Others (please specify)	NIL	NIL	NIL
Total	2	NIL	NIL

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D. Project Verification findings

D.1 Identification and eligibility of project type

Means of Project Verification	The project has taken the reference of CDM methodology AMS-I D, version 18 Grid Connected Renewable Electricity Generation, DPR
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>It is a greenfield hydropower project of 2.5 MW that supplies electricity to the national grid.</p> <p>UCR project communication agreement was submitted to the verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of the project aggregator is verified using the 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 the 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 hydropower plant. The commissioning certificate and DPR are referred. The project capacity was verified through PPA, purchase order/ invoices of turbine and JMR provided. The power evacuation at the Substation is confirmed by the electricity generation sheet.
Findings	<p>CL-1 is raised as the PCN 1.0 submitted on UCR shows there is a Francis turbine however as per the project owner it was Kaplan turbines.</p> <p>The Project Commissioning date is mentioned in the commissioning certificate.</p> <ol style="list-style-type: none">1. Turbine Capacity is the same as mentioned technical specifications.2. Project implementation and sale of energy abide by the power purchase agreement.
Conclusion	<p>CL-1 is closed as the DPR has mentioned the Francis turbines which was too old but later it was installed a Kaplan turbine. In addition, during monitoring, the aggregator discovered two Kaplan turbines of 1.25 MW each were installed.</p> <p>The overall capacity still remains at 2.5 MW.</p>

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

D.3.1 Application of methodology and standardized baselines

Means of Project Verification	The project has taken the 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, the commissioning certificate, DPR, and PPA documents were referred.
Findings	The methodology applied is applicable to the project activity.
Conclusion	The methodology applied is appropriate for meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. The referenced methodology is applicable to project activity.

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

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	The emission factor ($=0.9 \text{ tCO}_2/\text{MWh}$) is taken as per the UCR standards.
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 a 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 01 which is the physical and geographical site of a powerhouse.
Conclusion	The project boundary is correctly defined in the revised PCN version 01. GHG source correctly identified and reported. The project meets the requirements of the UCR project standard, Verification standard, and methodology requirements for a boundary, GHG source.

D.3.4 Baseline scenario

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Means of Project Verification	PCN Section B.5 and General Project Eligibility Criteria and Guidance, UCR Standard.
Findings	The declared information is correct and verified.
Conclusion	The baseline scenario is appropriately described. The conservative value for emission is considered. The baseline scenario is in accordance with the 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	Emission reductions are correctly calculated. The instruments are calibrated and hence the emission reduction is reported correctly and meets the requirements of the UCR verification standard and UCR project standard.			
	Year	EGpy (MWh)	EFgrid,y	CoUs
	2017	1409.92	0.9	1268
	2018	6985.12	0.9	6286
	2019	6259.70	0.9	5633
	2020	7428.40	0.9	6685
	2021	9034.34	0.9	8130
	2022	10827.39	0.9	9744
	Total CoUs			37746

D.3.6 Monitoring Report

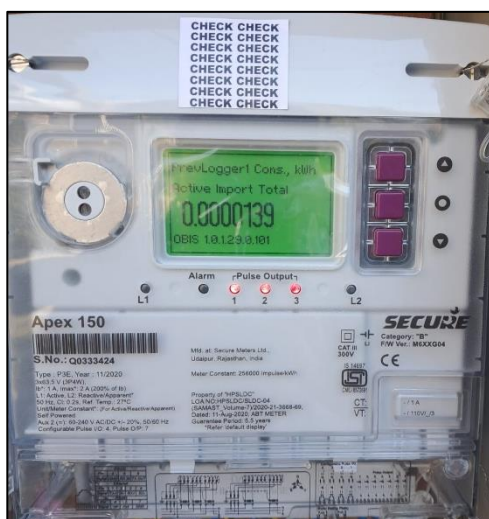
Means of Project Verification	Meter Calibration reports Joint Meter Reading Reports, and General Project Eligibility Criteria and Guidance, UCR Standard, page 4.
	Energy meters installed at the site: main meter

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check meter



Findings

None

Conclusion

During this monitoring period, the meters were replaced as mentioned below in the table.

Date	Meter Removed		Meters Installed	
18/08/2021	HPU06727	HPU06728	Q0333330	Q0333424
06/04/2018	17034077	17034078	HPU06727	HPU06728

Meter testing reports are provided PP as listed below.

	Main	Check	Calibrated on
Meter Details	17034077	17034078	23-05-2017
	HPU06727	HPU06728	25-02-2021
	Q0333330	Q0333424	22-11-2020

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	<p>As per Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2019 clause 14 (i)-b “All Interface Meters shall be tested on-site using accredited test laboratory for routine accuracy testing at least once in five years and recalibrated if required.</p> <p>The Calibration reports are verified with the available serial number of meters. The errors are within permissible limits.</p> <p>Monitoring parameters 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 an excel sheet where all the parameters are reported. The emission factor is as per UCR standards. Based on the monitoring report, emission reduction calculations are correctly calculated. The monitoring report meets the requirements of UCR project verification requirements.</p>
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D.4 Start date, crediting period, and duration

Means of Project Verification	PCN and MR, JMRs, Commissioning certificate, Detailed Project Report, and PPA documents were referred.
Findings	CL-2 was raised as the actual generation was begun on 21/09/2017 but the start date was 07/10/2017 as per PCN V 1.0.
Conclusion	<p>CL-2 was closed as 07/10/2017 was declared as the commercial operation date while the grid synchronization was begun in the trial period starting from 21/09/2017 to 06/10/2017.</p> <p>Start date of the project - 21/09/2017</p> <p>Crediting Period - 21/09/2017 to 31/12/2022</p> <p>The start date, crediting period and project duration is reported correctly in the PCN 2.0 and MR and this meets the requirements of the UCR verification standard and UCR project standard.</p>

D.5 Positive Environmental impacts

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

D.6 Project Owner- Identification and communication

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Means of Project Verification	PCN, Communication Agreement, MR, Commissioning certificate, Power Purchase Agreement.
Findings	The declared information is correct and verified.
Conclusion	<p>The project owner was identified through a communication agreement signed between PP and PA. Equipment purchase order and commission verified. Also, a 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.</p> <p>Details of Project Owner;</p> <p>M/s Baragarh Hydro Power Co. Pvt. Ltd. Address: Lower Aleo Prini, Tehsil Manali, Dist. Kullu, Himachal Pradesh, India.</p>

D.7 Positive Social Impact

Means of Project Verification	ProThe projects 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 addresses 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:

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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, Project Concept Note (PCN) / Monitoring Report (MR), I am able to certify that the emission reductions from the project - 2.5 MW Small Scale Hydro Power project by M/S Baragarh Hydro Power Co. Pvt. Ltd. (UCR ID – 061) for the period 21/09/2017 to 31/12/2022 amounts to **37746 CoUs (37746 tCO_{2e})**.

G. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
CPCB	Central Pollution Control Board
PGCIL	Power Grid Corporation of India Ltd.
HPSEBL	Himachal Pradesh State Electricity Board. Ltd.
MR	Monitoring report
PCN	Project Concept Note
VR	Verification Report
VS	Verification Statement
DAA	Avoidance of Double Accounting Agreement
COD	Commercial Operation Date
PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
PPA	Power Purchase Agreement
DPR	Detailed Project Report
ER	Emission Reduction
CoUs	Carbon offset Units.
tCO _{2e}	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, Naturelink Solution Pvt Ltd.	Mr. Shardul Amin is post graduate having M.tech in Thermal System Design with more than 5 years of experience in the field of waste to energy, thermochemical

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			conversion technologies and emission study.
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I. Document reviewed or referenced

No.	Author	Title	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	HPSEBL	JMR (2027- 2022)	PA
7	ERDA	Meter Calibration	PA
8	HPSEBL	PPA	PA
9	HPSEBL	Commissioning Certificate	PA
10	PP	DPR	PA
11	B Fouress (P) Ltd	Purchase Invoice	PA
12	HP SLDC	Monthly NOC for open access	PA
13	Secure	Meter Calibration	PA

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

Table 1. CLs from this Project Verification

CL ID : 01	D.2	Section no. :	General description of the project activity	Date: 25/01/2023
Description of CL				
<i>Why the start date of crediting period is 07/10/2017 as the JMR showed the electricity generation from September 2017?</i>				
Project Owner's response				Date: 27/01/2023
<i>07/10/2017 was the COD while the actual generation was begun during 15 days trial run from 21/09/2017.</i>				
Documentation provided by Project Owner				
<i>Commissioning and trial run document of HPSEBL</i>				
UCR Project Verifier assessment				Date: 30/01/2023
<i>The earliest date from which the electricity was exported to the grid was considered the start date of crediting for this project activity.</i>				

CL ID : 02	D.2	Section no. :	General description of the project activity	Date: 25/01/2023
Description of CL				
<i>Clarify the capacity of the turbines installed and turbine type</i>				
Project Owner's response				Date: 27/01/2023
<i>Two Kaplan turbine of 1.25 MW each was installed.</i>				
Documentation provided by Project Owner				
<i>Purchase invoice and turbine nameplate photos</i>				
UCR Project Verifier assessment				Date: 30/01/2023
<i>The document clearly demonstrates that the installed turbines are Kaplan of 1.25 MW each.</i>				

Table 2. CARs from this Project Verification

CAR ID	XX	Section no. :		Date:
Description of CAR				
Project Owner's response				Date:
Documentation provided by Project Owner				
UCR Project Verifier assessment				Date:

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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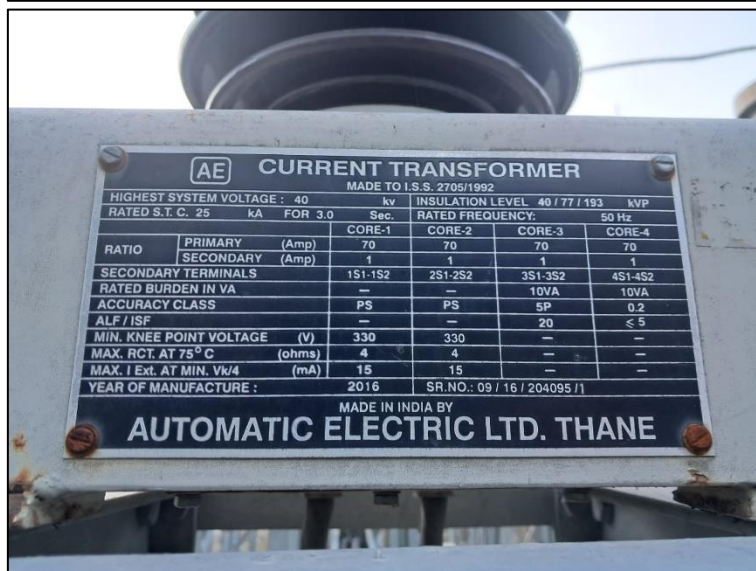
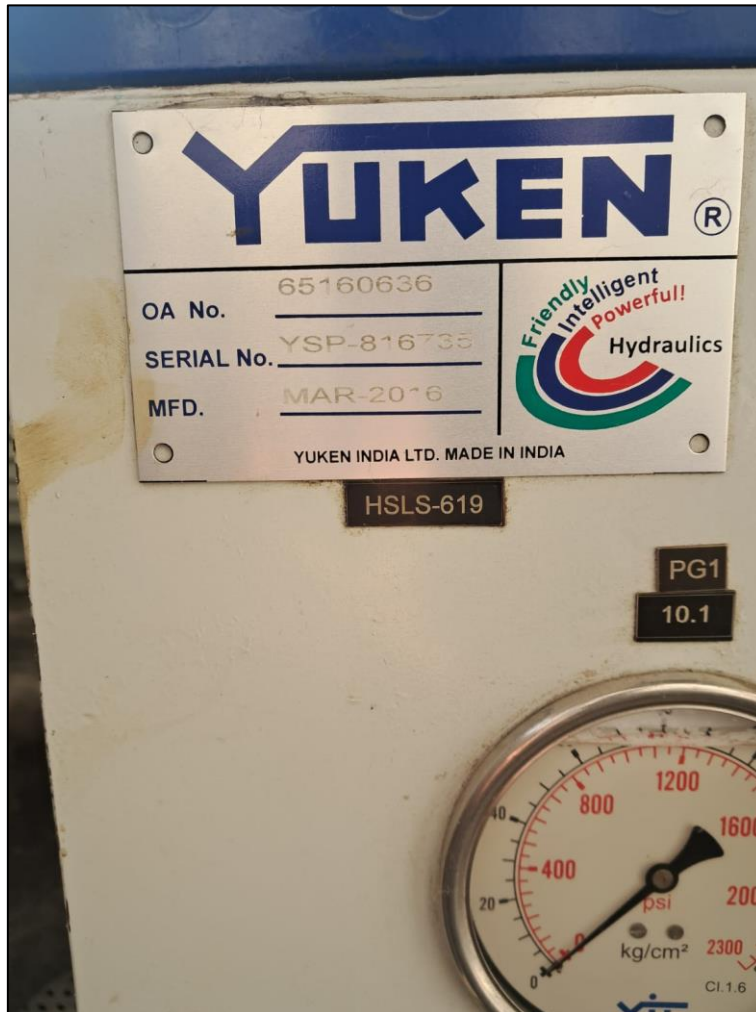
ANNEXURE I: Photographs of the power plant



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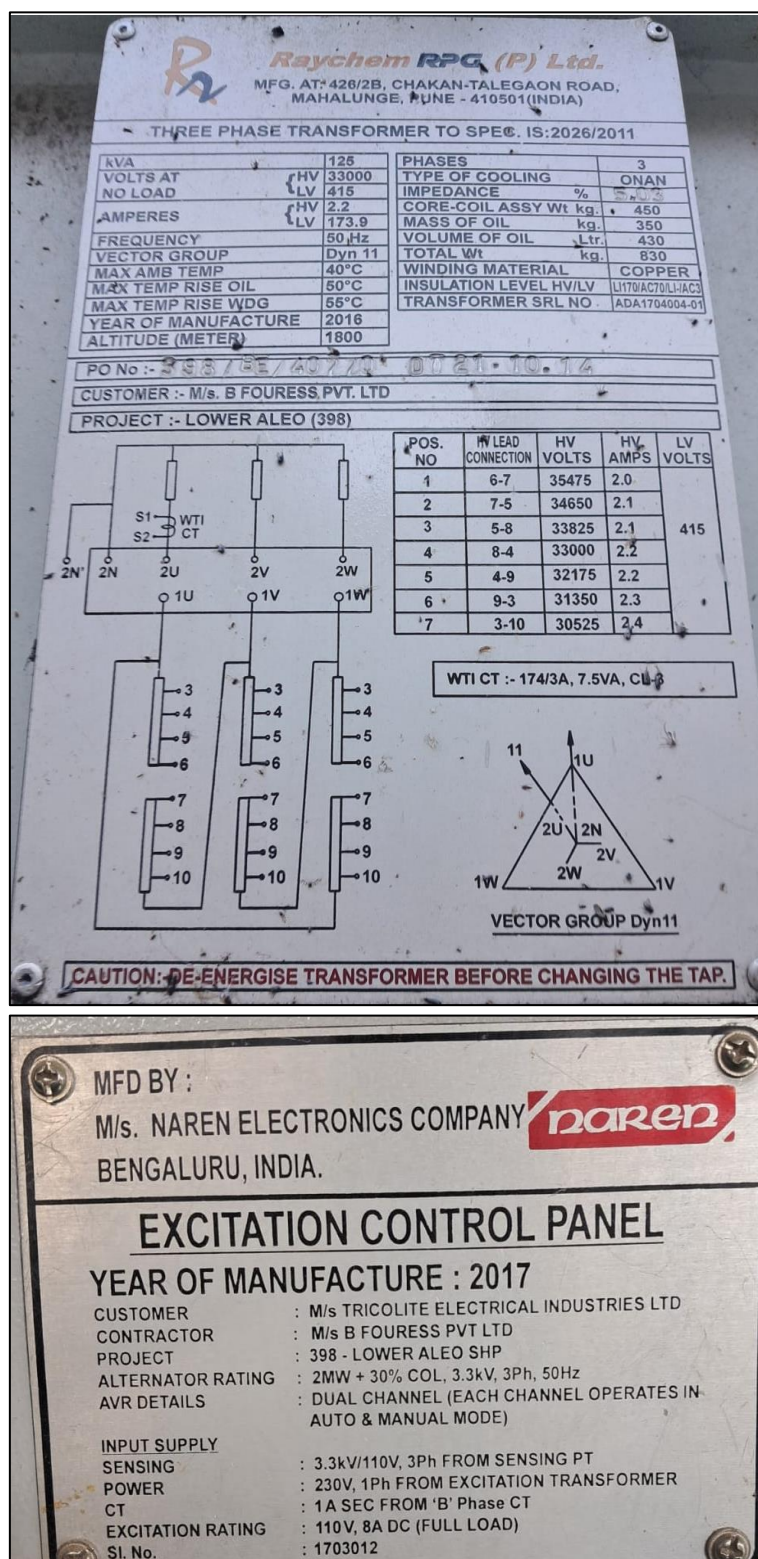


Figure - 1 - Project activity photos

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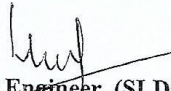
	
Himachal Pradesh Load Despatch Society (The Apex Body for Integrated Operation of Power System in HP) SLDC Complex, Totu, Shimla -171011.	
Phone No.: 0177-2837649	Email: sehpsldc@gmail.com
No. HPLDS/ SLDC-29/COD/ Lower Aleo-Baragr/2017-18 - 276/62	
To	Dated: 3/11/17
✓ The Chief Engineer (Energy), Director of Energy, New Shimla-171011.	
Subject:	Clearance of 15 days generation trial run w.r.t. Lower Aleo SHEP (2X1.25 MW), Baragarh Estate, Lower Aleo Prini- Kullu.
Reference:	M/s Baragarh Hydro Power Co. Ltd, Prini-Kullu- NO. BHPCPL-2017-18-nil-25.10.2017.
Sir,	
<p>This is with reference to the subject cited above, vide which M/s Baragarh Hydro Power Private Ltd., Lower Aleo Prini, Teh. Manali, District Kullu (H.P.), has applied for COD. It is brought out here that, after issuance of amendment in the notification of Government of HP, Department of MPP & Power, NO. MPP-F(1)-2/2005-XII Dated:10.10.2017, clause 7, the reports of SE (Design) has been found in order. The successful trial run period of 15 days has been performed w.ef.21.09.2017 to 06.10.2017 with recommendations for COD from 07.10.2017 onwards. As per the SE (Design), report both unit I & II of Lower Aleo, SHEP were synchronized on 21.09.2017. As per the SE (Design), it has been observed that the Load Throw Test has been conducted on 118% of the rated capacity. However, regarding telemetry data status in the SLDC/ALDC Control Room, the firm has committed to establish the same within three months.</p> <p>Therefore, HPSLDC recommends that Commercial Date of Operation may be issued, subject to installation of the telemetry hardware requirements as per the HP Electricity Grid Code 2008, within three months of the issuance of this letter.</p>	
 Chief Engineer, (SLDC) HP Load Despatch Society, Totu Shimla-171011.	

Figure - 2 - Date of grid synchronization

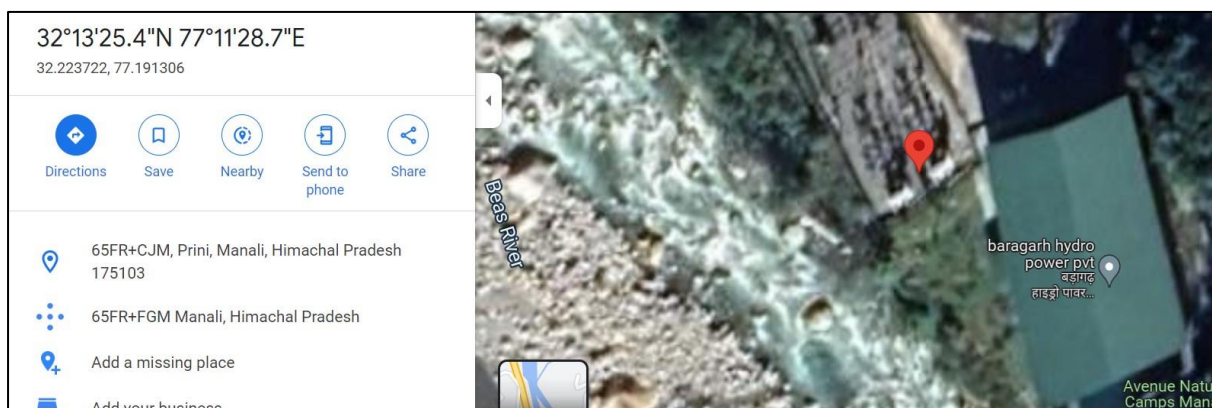


Figure - 3 – Google map photo of the project activity