



Project Verification Report Form (VR)

BASIC INFORMATION

Name of approved UCR Project Verifier / Reference No.	SQAC Certification Pvt. Ltd.
Type of Accreditation	☐ CDM or other GHG Accreditation ☐ ISO 14065 Accreditation ☒ 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	October 2021 onwards.
Completion date of this VR	26/03/2026
Title of the project activity	Renewable Biomass Based Thermal Energy Generation by Pal Fashions, Palghar, Maharashtra, India.
Project reference no.	UCR ID: 586
Name of Entity requesting verification service	M/s. Pal Fashions Private Limited
Contact details of the representative of the Entity, requesting verification service	M/s. Pal Fashions Private Limited (Project Proponent) Contact Person: Charanpreet Singh Ahuja Registered office: - E49, E49/1, E49/2 MIDC Tarapur, District Palghar, Maharashtra 401506



Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	Applied Baseline Methodology: UNFCCC Methodology Category, AMS-I.C.: Thermal energy production with or without electricity - Version 22.0 UCR Guidelines – Default Emission Factor for Biomass Transportation
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)
Project Verification Criteria: Mandatory requirements to be assessed	☒ UCR Standard ☒ Applicable Approved Methodology ☐ Applicable Legal requirements /rules of host country ☒ Eligibility of the Project Type ☒ Start date of the Project activity ☒ Meet applicability conditions in the applied methodology ☒ Credible Baseline ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria ☒ Social Safeguards Standard do- no-harm criteria
Project Verifier's Confirmation:	The UCR Project Verifier SQAC



The *UCR Project Verifier* has verified the UCR project activity and therefore confirms the following:

Certification Pvt. Ltd., certifies the following with respect to the UCR Project Activity “Renewable Biomass Based Thermal Energy Generation by Pal Fashions, Palghar, Maharashtra, India.”

☒ The Project Owner has correctly described the Project Activity in the Project Concept Note V.2 dated 05/03/2026 and Monitoring Report V1 dated 17/03/2026 including the applicability of the approved methodology AMS-I.C.: Thermal energy production with or without electricity - Version 22.0, UCR Guidelines – Default Emission Factor for Biomass Transportation 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 generating GHG emission reductions amounting to the estimated **76,282 tCO₂e**, as indicated in the MR V1, 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 to cause any net-harm to the environment and/or society.

☒ The Project Activity complies with



	all the applicable UCR rules and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Project ID: 586 dated 26/03/2026
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	  Santosh Nair Lead Verifier (Signature) SQAC Certification Pvt Ltd



PROJECT VERIFICATION REPORT

Section A. Executive summary

M/s. Pal Fashions Private Limited has contracted SQAC Certification Pvt. Ltd. to carry out the verification of the project activity of “**Renewable Biomass Based Thermal Energy Generation by Pal Fashions, Palghar, Maharashtra, India**”, UCR approved project ID:586, to establish number of CoUs generated by project over the crediting period from **01/01/2013 - 31/12/2022** (10 years)

We believe that the total GHG emission reductions over the crediting / verification period stated in the Monitoring Report V1(MR), submitted to us is accurate and in line with the UCR guidelines.

The GHG emission reductions were calculated based on UCR Protocols which draws reference from, CDM UNFCCC Methodology, AMS-I.C.: Thermal energy production with or without electricity - Version 22.0. The verification was done onsite by way of interviews, onsite document verification and submission of documents for verification through emails as per UCR guidelines.

SQAC is able to certify that the emission reductions from Renewable Biomass Based Thermal Energy Generation by Pal Fashions, Palghar, Maharashtra, India, (UCR ID – 586) for the period **01/01/2013 to 31/12/2022** amounts to **76,282 CoUs (76,282 tCO_{2e})**

Project Verification team, technical reviewer and approver

Section B. Project Verification Team

Sr. No.	Role	Last name	First name	Affiliation	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Team Leader	Nair	Santosh	n/a	yes	yes	yes
2.	Validator	Nair	Santosh	n/a	yes	yes	yes



Technical reviewer and approver of the Project Verification report

Sr. No.	Role	Type of resource	Last name	First name	Affiliation
1.	Technical reviewer	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd
2.	Approver	IR	Shinganapurkar	Praful	SQAC Certification Pvt. Ltd

Section C. Means of Project Verification

C.1. Desk/document review

As part of the verification process, M/s. Pal Fashions Private Limited submitted relevant project documentation for examination by the verification team. The documents included the Project Concept Note Version 2 (PCN), Monitoring Report Version 1 (MR), Emission Reduction Calculation Sheet, Commissioning Certificate, Consent to Operate for the textile processing unit issued by the Maharashtra Pollution Control Board (MPCB), Calibration Certificates, and additional supporting data provided upon request.

The submitted documents were reviewed for completeness, consistency, and compliance with UCR requirements and the applied methodology AMS-I.C (Version 22.0). Cross-verification was carried out between the Monitoring Report, emission reduction calculations, and supporting operational records to ensure accuracy and traceability of the data used for emission reduction estimation.

Key parameters such as biomass briquette consumption, net calorific value (NCV), and emission factors were verified against supporting documents including biomass test reports and calculation sheets. Calibration certificates for monitoring instruments such as weighing systems and flow meters were reviewed to confirm the reliability of monitored data. Regulatory compliance was verified through the Consent to Operate issued by Maharashtra Pollution Control Board (MPCB).

Data records, including monthly biomass consumption logs (e.g., December 2022), were cross-checked with aggregated data reported in the Monitoring Report to ensure consistency and accuracy.



C.2. Off-site inspection – Not applicable

Date of offsite inspection: Not applicable			
Sr. No.	Activity performed Off-Site	Site location	Date

C.3. Interviews

Sr. No.	Interview			Date	Subject
	Name	Designation	Affiliation		
1	Charanpreet Singh Ahuja	Managing Director	Pal Fashions Pvt. Ltd.	19/03/26	Project implementation, compliance and overall operation
2	Simranjit Singh Ahuja	VP Finance		19/03/26	Financial oversight and project compliance
3	Bhaves Gada	Maintenance HOD		19/03/26	Operation and maintenance of thermal systems
4	Rakesh Ranjan	Maintenance Engineer		19/03/26	Calibration and monitoring systems
5	Amit Kumar	Maintenance Engineer		19/03/26	Documentation and monitoring records

C.4. Sampling approach

Not applicable



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	Nil	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	Nil	Nil	Nil
Environmental impacts	Nil	Nil	Nil
Project Owner- Identification and communication	Nil	Nil	Nil
Others (please specify)	Nil	Nil	Nil
Total	Nil	Nil	Nil



Section D. Project Verification Findings

D.1. Identification and eligibility of project type

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report (MR Version 1) to assess the project activity, technology applied, and classification under the selected methodology. Verified technical documentation including specifications and operational records of the biomass-based boiler and thermopac systems. Reviewed regulatory approvals such as Consent to Operate issued by Maharashtra Pollution Control Board (MPCB). Cross-checked biomass consumption records and supporting data. Conducted on-site inspection on 19 March 2026 to verify the physical existence, operation, and configuration of the project systems.
Findings	Upon verification, it was confirmed that the project activity implemented by Pal Fashions Private Limited involves generation of thermal energy using renewable biomass briquettes through a biomass-fired boiler and thermopac system for use in textile processing operations. The project replaces fossil fuel (coal)-based thermal energy generation in the baseline scenario. The project description, technical specifications, and operational records presented in the Monitoring Report Version 1 and PCN Version 2 were reviewed and found to be consistent with the actual implementation observed during the on-site verification conducted on 19 March 2026. The project activity meets the applicability conditions of AMS-I.C (Version 22.0), as it involves



	generation of thermal energy using renewable biomass, displacing fossil fuel-based thermal energy, and operating within the small-scale limits defined under the methodology. Based on the review of documentation and on-site verification, the project activity is correctly classified under the applicable methodology.
Conclusion	Based on the review of the Monitoring Report Version 1, PCN Version 2, supporting documentation, and on-site verification, the verifier confirms that the project activity is correctly identified and is eligible under UNFCCC Small Scale Methodology AMS-I.C (Version 22.0). The project type is therefore considered eligible for carbon credit issuance under UCR requirements.



D.2. General Description of Project Activity

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report (MR Version 1) to assess the description, scope, and operational details of the project activity. Verified supporting technical documents and operational records related to biomass fuel usage and thermal energy generation. Reviewed regulatory approvals including Consent to Operate issued by Maharashtra Pollution Control Board (MPCB). Conducted on-site verification on 19 March 2026 to confirm consistency between documented project description and actual implementation.
Findings	Upon verification, it was confirmed that the description of the project activity provided in the Monitoring Report Version 1 and PCN Version 2 is consistent with the actual implementation at the project site. The operational details, including use of biomass briquettes for thermal energy generation and utilization within textile processing operations, were verified against supporting records and on-site observations. No inconsistencies were identified between the documented project description and the actual project activity observed during the verification.
Conclusion	Based on the review of the Monitoring Report Version 1, PCN Version 2, supporting documentation, and on-site verification, the verifier confirms that the general description of the project activity is accurate, complete, and consistent with the actual



	implementation.
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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	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report (MR Version 1) to assess the selection and application of the UNFCCC small-scale methodology AMS-I.C (Version 22.0). Evaluated the applicability of the methodology by reviewing the nature of the project activity, fuel type, thermal energy generation system, and project configuration. Verified compliance with UCR guidelines applicable to biomass-based thermal energy projects, including assessment of the defined crediting period and treatment of project emissions associated with transportation of biomass briquettes. Cross-checked emission reduction calculations, including application of relevant emission factors, against supporting data and calculation sheets. Conducted on-site verification on 19 March 2026 to confirm consistency between documented methodology application and actual project implementation.
Findings	Upon verification, it was confirmed that the applied methodology AMS-I.C (Version 22.0) is appropriate for the project activity. The project involves generation of thermal energy using renewable biomass briquettes for captive industrial use, displacing fossil fuel (coal)-based thermal energy in the baseline scenario. No



	electricity generation or export is involved. The project activity meets the applicability conditions of AMS-I.C, including use of renewable biomass, thermal energy generation, and operation within small-scale capacity limits. In addition, the project activity has been assessed against applicable UCR guidelines for biomass-based thermal energy projects. The crediting period has been correctly restricted to 01 January 2013 to 31 December 2022 in line with the approved PCN Version 2. Project emissions associated with transportation of biomass briquettes have been considered using the applicable UCR default emission factor, and the application of this factor has been verified against the Monitoring Report and supporting calculations. The selection and application of the methodology and UCR requirements, as described in the Monitoring Report Version 1 and PCN Version 2, were found to be correct and consistent with the actual project implementation verified during the on-site visit.
Conclusion	Based on the review of project documentation and on-site verification, the verifier confirms that the application of UNFCCC small-scale methodology AMS-I.C (Version 22.0) is appropriate and correctly applied to the project activity. The verifier also confirms that the project complies with applicable UCR guidelines, including the defined crediting period and treatment of project emissions.



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

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report (MR Version 1) to assess whether any additional tools, standardized baselines, or deviations from the applied methodology were used. Verified the applicability of methodology AMS-I.C (Version 22.0) and assessed the incorporation of UCR-specific requirements in the project activity. Cross-checked emission reduction calculations and supporting documentation to confirm correct application of methodology and related guidelines.
Findings	Upon verification, it was confirmed that the project activity applies UNFCCC small-scale methodology AMS-I.C (Version 22.0) without the use of any additional tools or standardized baselines. No deviations from the methodology requirements were identified. However, in accordance with applicable UCR guidelines, certain project-specific considerations have been incorporated. These include restriction of the crediting period to 01 January 2013 to 31 December 2022 and inclusion of project emissions associated with transportation of biomass briquettes using a default emission factor. These aspects have been verified against the Monitoring Report Version 1 and supporting documentation and are found to be correctly applied.
Conclusion	It is confirmed that the methodology has been applied correctly without the use of additional tools or standardized baselines, and that



	applicable UCR-specific requirements have been appropriately incorporated in the project activity.
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D.3.3 Project boundary, sources and GHGs

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report (MR Version 1) to assess the definition of the project boundary, emission sources, and included greenhouse gases. Verified the physical boundary and project systems during the on-site inspection conducted on 19 March 2026. Cross-checked emission sources and GHG inclusion against the requirements of AMS-I.C (Version 22.0) and applicable UCR guidelines.
Findings	Upon verification, it was confirmed that the project boundary is appropriately defined and includes the biomass-fired steam boiler (4 TPH) and the Thermopac unit installed at the project site for the monitoring period from 01 January 2013 to 31 December 2022. The project boundary encompasses all physical systems involved in the generation of thermal energy using renewable biomass briquettes for captive consumption within the facility. The baseline scenario includes thermal energy generation using coal, resulting in CO₂ emissions from fossil fuel combustion. Under the project activity, emissions from biomass combustion are considered zero as per AMS-I.C methodology. Project emissions associated with transportation of biomass briquettes have been included in accordance with applicable UCR guidelines. The greenhouse gas considered under the project



	activity is CO₂. No other significant GHG emissions (such as CH₄ or N₂O) are considered, as per the applicability of the methodology. The identified sources and GHGs are consistent with those defined in the Monitoring Report Version 1 and PCN Version 2.
Conclusion	It is confirmed that the project boundary, emission sources, and greenhouse gases have been correctly identified and are consistent with the requirements of AMS-I.C (Version 22.0) and applicable UCR guidelines.

D.3.4 Baseline scenario

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report (MR Version 1) to assess the identification of the baseline scenario. Evaluated the plausibility of the baseline by reviewing fuel usage practices in similar textile processing units and project-specific documentation. Cross-checked baseline assumptions and emission factors used in the emission reduction calculations. Verified the consistency of the baseline scenario with the requirements of AMS-I.C (Version 22.0).
Findings	Upon verification, it was confirmed that the baseline scenario represents the continuation of thermal energy generation using fossil fuel (coal) to meet process heat requirements in textile processing operations. The selection of coal as the baseline fuel is considered appropriate, as coal-based thermal



	energy generation is a common practice in similar industrial facilities. In the absence of the project activity, it is reasonable to assume that coal would have continued to be used for steam and process heat generation. The baseline scenario and its assumptions, as described in the Monitoring Report Version 1 and PCN Version 2, were reviewed and found to be consistent with the requirements of AMS-I.C (Version 22.0). The emission factors applied for coal-based thermal energy generation were cross-checked and found to be consistent with IPCC default values adopted under the methodology.
Conclusion	It is confirmed that the baseline scenario has been appropriately identified and is consistent with the requirements of AMS-I.C (Version 22.0) and applicable UCR guidelines.

D.3.5 Estimation of Emission Reductions or Net Anthropogenic Removal

Means of Project Verification	Reviewed the emission reduction calculation sheets along with the Monitoring Report Version 1 (MR) and Project Concept Note Version 2 (PCN). Cross-checked key input parameters including biomass consumption, net calorific value (NCV), and emission factors against supporting records and laboratory test reports. Verified the application of calculation methodology in accordance with AMS-I.C (Version 22.0), including baseline emission calculations based on fossil fuel displacement. Assessed the inclusion of project emissions
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	associated with transportation of biomass briquettes in line with applicable UCR guidelines. Sample calculations were independently checked to confirm accuracy and consistency of the reported emission reductions.
Findings	Upon verification, it was confirmed that the emission reductions have been calculated in accordance with AMS-I.C (Version 22.0), based on monitored biomass consumption and displacement of fossil fuel (coal) in the baseline scenario. Key input parameters including biomass consumption, net calorific value (NCV), and emission factors were verified against supporting documentation and found to be consistent with the data presented in the Monitoring Report Version 1. Baseline emissions have been calculated using the applicable emission factor for coal, and the approach is consistent with the requirements of the methodology. Project emissions associated with transportation of biomass briquettes have been considered using the applicable UCR default emission factor, and the calculations were verified against supporting data. Emission Reduction calculations were cross-checked and found to be accurate. The total emission reductions reported for the monitoring period are consistent with the verified data and calculation approach. The total verified emission reductions for the monitoring period from 01 January 2013 to 31 December 2022 amount to 76,282 tCO₂e (76,282 CoUs) comprising contributions from both the



	biomass-fired boiler and Thermopac systems. These emission reductions are eligible for issuance as Carbon Offset Units (CoUs) under the UCR.
Conclusion	It is confirmed that the emission reductions have been estimated correctly and consistently in accordance with AMS-I.C (Version 22.0) and applicable UCR guidelines and are supported by verified data and calculation procedures.

D.3.6 Monitoring Report

Means of Project Verification	Reviewed the Monitoring Report Version 1 (MR) to assess the monitoring plan, parameters, and data management procedures. Verified monitoring records including biomass consumption logs, operational data, and supporting documentation. Reviewed calibration certificates of monitoring instruments such as weighing balance and flow meters. Cross-checked monitored data used in emission reduction calculations against primary records. Conducted on-site verification on 19 March 2026 to assess the implementation of the monitoring system and data recording practices.
Findings	Upon verification, it was confirmed that the monitoring system implemented by the project proponent is consistent with the monitoring plan described in the Monitoring Report Version 1 and complies with the requirements of AMS-I.C (Version 22.0). Key parameters, including biomass briquette consumption, are recorded on a regular basis



	and maintained in structured logs. All monitored data records were reviewed for completeness, consistency, and traceability. Sample records, including monthly data (e.g., December 2022), were additionally cross-checked against the Monitoring Report to validate the accuracy of aggregated data. Calibration certificates for monitoring instruments, including weighing balance and flow meters, were reviewed and found to be valid during the monitoring period, ensuring reliability of the monitored data. Data used in emission reduction calculations was found to be traceable to primary records and free from material discrepancies. The monitoring system is considered adequate for accurate quantification of emission reductions under the project activity. No significant data gaps or inconsistencies were identified during the verification of monitoring records.
Conclusion	It is confirmed that the monitoring system is implemented effectively and is consistent with the Monitoring Report Version 1, AMS-I.C (Version 22.0), and applicable UCR guidelines. The monitored data is reliable and suitable for emission reduction estimation.

D.4. Start date, crediting period and duration

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2), Monitoring Report Version 1 (MR), and supporting documentation to verify the project start date, crediting period, and duration.
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	Verified project commissioning records and operational history. Cross-checked the defined crediting period with UCR requirements and approved project documentation. Assessed consistency of the monitoring period with the defined crediting period.
Findings	Upon verification, it was confirmed that the project activity was commissioned prior to the start of the crediting period and has been operational during the monitoring period. The crediting period of the project activity is defined as 01 January 2013 to 31 December 2022, in accordance with the approved Project Concept Note Version 2 and applicable UCR guidelines. The monitoring period corresponds to the defined crediting period, and the data presented in the Monitoring Report Version 1 covers this period consistently. The defined start date, crediting period, and duration are found to be consistent across the project documentation and compliant with UCR requirements. The restriction of the crediting period up to 31 December 2022 has been applied in line with the current UCR guidelines for biomass-based thermal energy projects and has been verified against the approved PCN Version 2.
Conclusion	It is confirmed that the start date, crediting period, and project duration are correctly defined and are consistent with the approved project documentation and applicable UCR guidelines.



D.5. Positive Environmental impacts

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report Version 1 (MR) to assess the claimed positive environmental impacts of the project activity. Verified supporting information related to fuel usage, emission reduction, and environmental compliance. Assessed the environmental benefits in the context of the project activity and applicable regulatory requirements.
Findings	The project activity results in positive environmental impacts through the displacement of fossil fuel (coal) with renewable biomass briquettes for thermal energy generation. The use of biomass reduces greenhouse gas emissions associated with fossil fuel combustion and contributes to improved local air quality by reducing emissions such as particulate matter and sulphur dioxide. Utilization of agricultural and agro-industrial residues as fuel supports waste management practices and reduces the likelihood of open burning. The project operates under valid Consent to Operate issued by Maharashtra Pollution Control Board (MPCB), indicating compliance with applicable environmental regulations. The claimed environmental benefits are considered reasonable and consistent with the nature of the project activity.
Conclusion	



	It is confirmed that the project activity results in positive environmental impacts and that the claimed benefits are reasonable and consistent with the project implementation.
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D.6. Project Owner- Identification and communication

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2), Monitoring Report Version 1 (MR), and supporting documentation to verify the identification of the Project Owner and authorized representative. Verified the signed Communication Agreement submitted to the UCR registry. Cross-checked project ownership details, contact information, and authorization for communication with the registry.
Findings	Upon verification, it was confirmed that Pal Fashions Private Limited is the Project Owner and has full responsibility for the implementation and operation of the project activity. The Project Owner has authorized Mr. Charanpreet Singh Ahuja as the authorized representative to communicate with the UCR registry on its behalf. The Communication Agreement has been duly executed and submitted, and it defines the roles and responsibilities of the Project Owner and authorized representative. The ownership of emission reductions generated by the project activity is clearly established and is consistent with the project documentation.
Conclusion	It is confirmed that the Project Owner and



	authorized representative have been correctly identified and that the communication arrangements are valid and consistent with UCR requirements.
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D.7. Positive Social Impact

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report Version 1 (MR) to assess the claimed positive social impacts of the project activity. Verified supporting information related to project operation, workforce involvement, and biomass supply chain. Assessed the social benefits in the context of the project activity and local conditions.
Findings	The project activity contributes to positive social impacts through employment generation associated with operation and maintenance of the biomass-based thermal systems. The use of biomass briquettes sourced from agricultural residues supports local biomass supply chains and provides additional income opportunities for suppliers and associated stakeholders. Improved working conditions are observed due to reduced handling of coal and lower exposure to dust and emissions compared to conventional fossil fuel-based systems. The claimed social benefits are considered reasonable and consistent with the nature and scale of the project activity.
Conclusion	It is confirmed that the project activity results in positive social impacts and that the claimed



	benefits are reasonable and consistent with the project implementation.
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D.8. Sustainable development aspects (if any)

Means of Project Verification	Reviewed the Project Concept Note (PCN Version 2) and Monitoring Report Version 1 (MR) to assess the contribution of the project activity towards sustainable development. Evaluated environmental, social, and economic aspects of the project based on available documentation and site observations. Assessed consistency of claimed benefits with the nature of the project activity.
Findings	The project activity contributes to sustainable development through the use of renewable biomass for thermal energy generation, resulting in reduction of greenhouse gas emissions and decreased dependence on fossil fuels. The project supports environmental sustainability through improved air quality and utilization of agricultural residues and contributes to local economic and social benefits through employment generation and biomass supply chains. The sustainable development aspects identified are consistent with the nature and scale of the project activity and are supported by project documentation and on-site observations.
Conclusion	It is confirmed that the project activity contributes to sustainable development and that the identified aspects are reasonable and



	consistent with the project implementation.
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Section E. Internal Quality Control

The verification process and the Verification Report were subjected to internal quality control procedures within SQAC Certifications Pvt. Ltd.

An independent technical review was conducted by qualified personnel not directly involved in the verification process to ensure accuracy, completeness, and consistency of the verification findings and conclusions.

The review included assessment of:

- Compliance with UCR requirements and applicable methodology (AMS-I.C Version 22.0)
- Consistency between the Monitoring Report, supporting documentation, and verification findings
- Accuracy of emission reduction calculations and conclusions

Any observations identified during the internal review were addressed prior to finalization of the Verification Report.

The verification was carried out in accordance with established internal procedures to ensure objectivity, transparency, and reliability of the verification outcome.

Section F. Project Verification opinion

The project activity “Renewable Biomass Based Thermal Energy Generation by Pal Fashions, Palghar, Maharashtra, India” has been verified in accordance with the requirements of the Universal Carbon Registry (UCR) and the applicable UNFCCC small-scale methodology AMS-I.C (Version 22.0).

The verification was conducted through a combination of document review, cross-checking of activity data, and on-site inspection carried out on 19 March 2026. The Monitoring Report Version 1, Project Concept Note Version 2, emission reduction calculations, and supporting documentation were reviewed and found to be consistent with the project implementation.



The project activity involves generation of thermal energy using renewable biomass briquettes, resulting in displacement of fossil fuel (coal)-based thermal energy. The project is correctly identified and meets the applicability conditions of AMS-I.C (Version 22.0).

The monitoring system implemented by the project proponent is found to be appropriate and consistent with the monitoring plan. The data used for emission reduction calculations is reliable, traceable, and supported by relevant records, including biomass consumption logs and calibration certificates.

The project activity complies with applicable UCR guidelines, including the defined crediting period from 01 January 2013 to 31 December 2022 and the treatment of project emissions associated with transportation of biomass briquettes.

The total verified emission reductions for the monitoring period amount to **76,282 tCO₂e**, which are considered real, measurable, and verifiable.

Based on the verification, it is confirmed that the project activity meets the requirements for issuance of Carbon Offset Units (CoUs) under the Universal Carbon Registry.

Appendix 1. Abbreviations

Abbreviations	Full texts
UCR	Universal Carbon Registry
PP/PO	Project Proponent / Project Owner
PA	Project Aggregator
ER	Emission Reduction
COUs	Carbon offset Units.
tCO ₂ e	Tons of Carbon Dioxide Equivalent
CDM	Clean Development Mechanism
SDG	Sustainable Development Goal
CAR	Corrective Action Request
CR	Clarification Request
FAR	Forward Action Request
GHG	Green House Gas
MR	Monitoring report
PCN	Project Concept Note
VR	Verification Report
VS	Verification Statement
COD	Commercial Operation Date



Appendix 2. Competence of team members and technical reviewers

Sr. No.	Role	Name	Education Qualification	Related Experience
1.	Team Leader / Lead Verifier / Validator	Santosh Nair	BE (Chemical) Lead Auditor in ISO 9001,14001, 45001,13485,22301,22000,27001,14064-1,2,3	Carbon Verifier for all major sectors such as Wind, Solar, Hydro, Biomass, Biogas, Waste Heat Recovery, Biofuel, etc.
2.	Technical reviewer	Praful Shinganapurkar	BE (Mechanical) Certified Energy Auditor Lead Auditor in ISO 9001,14001 & 45001	Carbon Verifier for all major sectors such as Wind, Solar, Hydro, Biomass, Biogas, Waste Heat Recovery, Biofuel, etc.

Appendix 3. Document reviewed or referenced

Sr. No	Author	Title	Provider/Originator
1	Mr. Charanpreet Singh Ahuja	Project Concept Note (PCN)	Pal Fashions Pvt. Ltd.
2	Mr. Charanpreet Singh Ahuja	Monitoring Report (MR)	Pal Fashions Pvt. Ltd.
3	Mr. Charanpreet Singh Ahuja	Emission Reduction Calculation Sheet	Pal Fashions Pvt. Ltd.
4	Accura Test Laboratories	Biomass Test Report	Accura Test Laboratories
5	Mr. Haresh Kaneriya	Biomass Test Report	YOR Lab
6	Mr. Nikhil	Water Meter Calibration Certificate	Ratna Electronics Service
7	Mr. Nikhil	Weighing Scale Calibration Certificate	Ratna Electronics Service
8	Dr. Y.B. Sontakke – Joint Director (WPC)	Consent to Operate	Maharashtra Pollution Control Board
9	Thermax Limited	Boiler Purchase Invoice	Thermax Limited
10	Thermax Limited	Fuel Consumption Certificate	Thermax Limited
11	Mr. Bhavesh	Historical fuel	Pal Fashions Pvt. Ltd.



	Gada	consumption records	
12	Mr. Charanpreet Singh Ahuja	Double Counting Agreement	Pal Fashions Pvt. Ltd.

Appendix 4. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

CL ID	00	Section no.		Date: DD/MM/YYYY
Description of CL				
n/a				
Project Owner's response				Date: DD/MM/YYYY
n/a				
Documentation provided by Project Owner				
n/a				
UCR Project Verifier assessment				Date: DD/MM/YYYY
n/a				

Table 2. CARs from this Project Verification

CAR ID	00	Section no.		Date: DD/MM/YYYY
Description of CAR				
n/a				
Project Owner's response				Date: DD/MM/YYYY
n/a				
Documentation provided by Project Owner				
UCR Project Verifier assessment				Date: DD/MM/YYYY
n/a				

Table 3. FARs from this Project Verification

FAR ID	00	Section no.		Date: DD/MM/YYYY
Description of FAR				
n/a				



Project Owner's response	Date: DD/MM/YYYY
n/a	
Documentation provided by Project Owner	
UCR Project Verifier assessment	Date: DD/MM/YYYY
n/a	

MAHARASHTRA POLLUTION CONTROL BOARD
 Tel: 24010706/24010437
 Fax: 24044532/4024068/4023516
 Website: http://mpcb.gov.in
 Email: jdwater@mpcb.gov.in

Kalpatur Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/M.S.I (R40)
 No:- Format1.0/JD (WPC)/UAN
 No.0000125038/CR/2203000354

Date: 07/03/2022

To,
 M/s. Pal Fashions Private Limited
 Plot No E-49, E-49/1 & E-49/2 MIDC Tarapur,
 Tal & Dist :Palghar.

Sub: Renewal of Consent to operate Yarm & Textile Processing Unit granted under red category.

Ref: Consent to Operate granted vide no. RO-Thane/Consent/1702001068/TR-1/535129 dtd. 20.02.2017 valid up to: 30/11/2021

Your application No.MPCB-CONSENT-0000125038 Dated 03.11.2021

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The Renewal of Consent to Operate is granted for period valid up to: 30/11/2024
- The capital investment of the project is Rs.17.66 Crs. (As per C.A Certificate submitted by Industry Existing CI is-Rs. 6.20 Crs + Expansion/Increase in C.I. - Rs. 11.46 Crs)
- Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
1	Grey Art Silk Synthetics Fabrics	800000	Mtrs/M

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	500	As per Schedule-I	40 % Recycle/ reuse in process & 60 % CETP through MIDC drainage line
2.	Domestic effluent	18	As per Schedule-I	On land for gardening

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- Conditions under Air (P&CP) Act, 1981 for air emissions:

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	BOILER (4 TPH)	1	As per Schedule -II
2	S-2	THERMOPACK	1	As per Schedule -II
3	S-3	D.G SET (600 KVA)	1	As per Schedule -II

- Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	N.A	0	--NA--	N.A	N.A

- Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	35.3 Chemical sludge from waste water treatment	25	Kg/Day	NA	CHWTSDF

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	250000.00	TXN2111000268	03/11/2021	Online Payment
2	50000.00	TXN2202001552	11/02/2022	Online Payment

Industry has submitted Consent fees of Rs. 2,50,000/- (Rs. Two Lakhs Fifty Thousand Rupees) Out of with Rs. 1,50,000/- (Rs. One Lakhs Fifty thousand Rupees) has been considered for grant of Renewal of Consent to Operate vide UAN no: 125038 & now Consent fees of Rs. 1,00,000/- (Rs. One Lakhs Rupees) has been Balanced with MPC Board, & same will be consider at the time of next Renewal of Consent to Operate.

Copy to:

Pal Fashions Private Limited/CR/UAN No.MPCB-CONSENT-0000125038 (07-03-2022 01:10:18 pm)
 /QMS.P06_F02/00 Page 2 of 10



Ratna Electronics Service
223, Sagar Industrial Estate, Near Dahisar Toll Naka, S. V. Road,
Dahisar (East), Mumbai - 68. Mob: 94224 74457 / 87674 74457
24, K.P. Complex, Behind S.V. Machine Tools, Navapur Road, Boisar,
Dist. Palghar - 401 501, Maharashtra, India.
E-mail : ratna_elect@yahoo.com / ratnaelectronics65@gmail.com
Website : www.ratnaelectronicservice.com

CALIBRATION CERTIFICATE

Certificate No.	Certificate Date	Cat. No.	Due Date	Physical Condition of UUC	Calibrated At
2023/RES-56682	14/07/2023	12/07/2023	11/07/2023	OK	Lab
Name & Address of Customer: MIN. PAL FASHIONS (P) LTD. PLOT NO-48, B-401 & B-402 & B-403 MEDC TARAPOUR BOISAR, TAL.DIST.- PALGHAR.					
Details of UUC:					
Instrument: Water Meter		Range: 0 to 15 m³/hr			
Model: North Star		Accuracy: ± 2%			
Serial No.: ---		Least count: ---			
M. No.: ---		Location: Boisar			
Type: Flow Meter		Use: Process			
Cal. Procedures Used: RES/OPCAL/10					
Ambient Conditions: Temperature: 30 ± 5 °C Relative Humidity: 60 ± 10 %RH					
Details of Reference Instruments Used for Calibration:					
Instrument	M. No. / R. No.	Range	Accuracy	Cert. No.	Recommended Due Date
Stopwatch	RES/WT01	00 min. to 99 min. 59 sec. and 1 hr.	± 0.01 sec.	CCBIL/188031-22	10/03/2023
S. S. Weighs	RES/WT01	20 kg	M 1 Class	COMA/VS0701-220406/COMA/VS0701-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT02	20 kg	M 1 Class	COMA/VS0702-220406/COMA/VS0702-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT03	20 kg	M 1 Class	COMA/VS0703-220406/COMA/VS0703-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT04	20 kg	M 1 Class	COMA/VS0704-220406/COMA/VS0704-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT05	20 kg	M 1 Class	COMA/VS0705-220406/COMA/VS0705-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT06	20 kg	M 1 Class	COMA/VS0706-220406/COMA/VS0706-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT07	5 kg	M 1 Class	COMA/VS0707-220406/COMA/VS0707-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT08	2 kg	M 1 Class	COMA/VS0708-220406/COMA/VS0708-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT09	1 kg	M 1 Class	COMA/VS0709-220406/COMA/VS0709-2201-22, Page 1 of 2	20/03/2023
OBSERVATIONS:					
Range	Standard Readings	UUC Readings	Error	Remarks	
0 to 15 m ³ /hr	m ³ /hr	m ³ /hr	m ³ /hr		
0	0.00	0.00	0.00		
5	5.00	5.00	0.00		
10	10.00	10.00	0.00		
15	15.00	15.00	0.00		
Remarks:					
• The observed readings have been reported.					
• The calibration results reported are valid at the time of and under the conditions of measurement.					
• This certificate should not be reproduced, except in full, without the prior permission of Ratna Electronics Services.					
• The Standards used for calibration were calibrated using reference standards traceable to National / International Standards.					
Calibrated By: Nisha			Witnessed By: ---		
Ratna Electronics Service			For PAL FASHIONS (P) LTD.		



Ratna Electronics Service
223, Sagar Industrial Estate, Near Dahisar Toll Naka, S. V. Road,
Dahisar (East), Mumbai - 68. Mob: 94224 74457 / 87674 74457
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CALIBRATION CERTIFICATE

Certificate No.	Certificate Date	Cat. No.	Due Date	Physical Condition of UUC	Calibrated At
2023/RES-56682	14/07/2023	12/07/2023	11/07/2023	OK	Lab
Name & Address of Customer: MIN. PAL FASHIONS (P) LTD. PLOT NO-48, B-401 & B-402 & B-403 MEDC TARAPOUR BOISAR, TAL.DIST.- PALGHAR.					
Details of UUC:					
Instrument: WEIGHING Scale		Range: 0 to 200 kg			
Model: ---		Accuracy: ± 0.01 g			
Serial No.: ---		Least count: 0.01 g			
M. No.: ---		Location: Boisar			
Type: Flow Meter		Use: Process			
Cal. Procedures Used: RES/OPCAL/10					
Ambient Conditions: Temperature: 30 ± 5 °C Relative Humidity: 60 ± 10 %RH					
Details of Reference Instruments Used for Calibration:					
Instrument	M. No. / R. No.	Range	Accuracy	Cert. No.	Recommended Due Date
S. S. Weighs	RES/WT01	20 kg	M 1 Class	COMA/VS0701-220406/COMA/VS0701-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT02	20 kg	M 1 Class	COMA/VS0702-220406/COMA/VS0702-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT03	20 kg	M 1 Class	COMA/VS0703-220406/COMA/VS0703-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT04	20 kg	M 1 Class	COMA/VS0704-220406/COMA/VS0704-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT05	20 kg	M 1 Class	COMA/VS0705-220406/COMA/VS0705-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT06	20 kg	M 1 Class	COMA/VS0706-220406/COMA/VS0706-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT07	5 kg	M 1 Class	COMA/VS0707-220406/COMA/VS0707-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT08	2 kg	M 1 Class	COMA/VS0708-220406/COMA/VS0708-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT09	1 kg	M 1 Class	COMA/VS0709-220406/COMA/VS0709-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT10	20 kg	F 1 Class	COMA/VS0710-220406/COMA/VS0710-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT11	20 kg	F 1 Class	COMA/VS0711-220406/COMA/VS0711-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT12	20 kg	F 1 Class	COMA/VS0712-220406/COMA/VS0712-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT13	20 kg	F 1 Class	COMA/VS0713-220406/COMA/VS0713-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT14	20 kg	F 1 Class	COMA/VS0714-220406/COMA/VS0714-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT15	20 kg	F 1 Class	COMA/VS0715-220406/COMA/VS0715-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT16	20 kg	F 1 Class	COMA/VS0716-220406/COMA/VS0716-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT17	20 kg	F 1 Class	COMA/VS0717-220406/COMA/VS0717-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT18	20 kg	F 1 Class	COMA/VS0718-220406/COMA/VS0718-2201-22, Page 1 of 2	20/03/2023
S. S. Weighs	RES/WT19	20 kg	F 1 Class	COMA/VS0719-220406/COMA/VS0719-2201-22, Page 1 of 2	20/03/2023

BRIQUETTE CONSUMPTION DEC-2022 BOILER 4TPH						
Date	Boiler Day (Kgs)	Boiler Ngt (Kgs)	Total	Cumm.	Boiler Feed Water (KL)	CV
01-Dec	6600	5000	11600	11600	40	3.45
02-Dec	0	5750	5750	17350	22	3.83
03-Dec	6000	6840	12840	30190	54	4.21
04-Dec	6400	6750	13150	43340	55	4.18
05-Dec	6000	6450	12450	55790	51	4.10
06-Dec	6800	5750	12550	68340	52	4.14
07-Dec	5600	6300	11900	80240	50	4.20
08-Dec	6240	4200	10440	90680	44	0.00
09-Dec	0	0	0	90680	0	0.00
10-Dec	7000	5650	12650	103330	50	3.95
11-Dec	5850	5250	11100	114430	47	4.23
12-Dec	5700	5500	11200	125630	48	4.29
13-Dec	6030	5445	11475	137105	48	4.18
14-Dec	6600	5400	12000	149105	51	4.25
15-Dec	6325	6255	12580	161685	54	0.00
16-Dec	0	6750	6750	168435	26	3.85
17-Dec	6100	5850	11950	180385	51	4.27
18-Dec	5250	6210	11460	191845	47	4.10
19-Dec	5240	5280	10520	202365	44	4.18
20-Dec	5550	5300	10850	213215	47	4.33
21-Dec	5292	6500	11792	225007	51	4.32
22-Dec	5150	1250	6400	231407	24	3.75
23-Dec	6030	5050	11080	242487	47	4.24
24-Dec	7965	5800	13765	256252	57	4.14
25-Dec	5280	4650	9930	266182	42	4.23
26-Dec	5600	6000	11600	277782	47	4.05
27-Dec	5800	5750	11550	289332	50	4.33
28-Dec	6000	5600	11600	300932	50	4.31
29-Dec	5985	5290	11275	312207	47	0.00
30-Dec	0	6950	6950	319157	27	0.00
31-Dec	5715	5830	11545	330702	49	4.24
			330702			

BRIQUETTE CONSUMPTION DEC-2022 THERMOPAC 1500U				
	TP Day (Kgs)	TP Ngt (Kgs)	Total Kgs.	Cumm. Kgs.
01-Dec	4046	3901	7947	7947
02-Dec	0	0	0	7947
03-Dec	3251	2818	6069	14016
04-Dec	3973	2348	6321	20337
05-Dec	4154	2890	7044	27381
06-Dec	4335	4371	8706	36087
07-Dec	3070	2666	5736	41823
08-Dec	3901	3612	7513	49336
09-Dec	2023	0	2023	51359
10-Dec	722	2890	3612	54971
11-Dec	2893	2890	5783	60754
12-Dec	4335	2890	7225	67979
13-Dec	2926	2781	5707	73686
14-Dec	4046	2709	6755	80441
15-Dec	3576	3511	7087	87528
16-Dec	1300	2308	3608	91136
17-Dec	3251	2781	6032	97168
18-Dec	3432	2763	6195	103363
19-Dec	3468	2745	6213	109576
20-Dec	3901	3757	7658	117234
21-Dec	3540	2818	6358	123592
22-Dec	3793	3070	6863	130455
23-Dec	1300	2529	3829	134284
24-Dec	4064	2890	6954	141238
25-Dec	4046	2529	6575	147813
26-Dec	3612	2745	6357	154170
27-Dec	2818	2709	5527	159697
28-Dec	3973	2529	6502	166199
29-Dec	3739	3988	7727	173926
30-Dec	0	2420	2420	176346
31-Dec	3576	2703	6279	182625

