

Showcasing country and regional updates as we drive sustainable solutions to advance low carbon buildings across Asia.

**Project Updates**



Trainers of Trainers on 26-27 January 2026



Second Project Steering Committee (PSC) Meeting on 28 January 2026.



Low Carbon Buildings Training Program for Building Material Manufacturers in Cambodia on 12 March 2026.



Third Technical Advisory Committee (TAC) Meeting on 26 March 2026.

**Cambodia**

**Subnational Building Assessment:** Emission calculations from 250 building assessment have completed. Publication of a compendium report is underway, and all datasets will be uploaded to **BEAT** (Building Emission Assessment Tool) to support benchmarking and analysis. From the building deep dive assessments, a pipeline of LCB projects has been developed for 20 buildings.

**Policy Support:** Key policies initiatives include the development of a Green Building Scheme and a Green Building Code Roadmap. Policy briefs are underway and a technical report, *Managing Embodied Carbon in the Building and Construction Sector in Cambodia*, has been published to support these efforts. The report analyzes the current policy landscape, identifies gaps, and recommends actionable policy tools to advance low-carbon buildings in Cambodia. In addition, the Green Public Procurement (GPP) Guidelines for Cambodia were also developed and shared with the TAC and the Ministry of Economy and Finance (MEF) for review.

**LCB Training Program:** The **fifth LCB training, targeting building material manufacturers**, was held on 12 March, with around 30 participants. Khmer-language training modules have been finalized and **now publicly available for download** on the ALCBT project website. A second round of **Training of Trainers** was conducted on January 26-27 in collaboration with the Institute of Technology of Cambodia.

**Financial Pathways:** Efforts to strengthen green finance in Cambodia are progressing. ASEAN BUILT was presented to the Association of Banks of Cambodia (ABC) to strengthen engagement with financial institutions. A concept note and draft Action Plan for establishing the Green Finance Network (GFN) in Cambodia have been developed and shared, with consultations ongoing.

Findings from the ESCO Market Assessment and On-Bill Financing (OBF) readiness have been shared with the Ministry of Land Management, Urban Planning and Construction (MLMUPC).

A call for participation launched in January has strengthened engagement with building owners, developers, and financial institutions. Expression of Interest (EOI) has been received from UrbanLand to support green finance mobilization for its community development and condominium projects. Investment pitches were also organized with IFC and MSC, with a third arranged with FTB Bank. The Ministry of Environment (MOE) has also expressed interest in building retrofit initiatives and exploring financing options.

**Knowledge Sharing & Engagement:** Outreach events planned in Q2, including a dissemination workshop on deep-dive assessment findings in Phnom Penh and an outreach workshop in Sihanoukville, targeting building owners, developers, and financial institutions.

**Governance:** The **Second PSC Meeting** held on January 28, followed by the **Third TAC Meeting** on March 26.

**India**

**Subnational Building Assessment:** Activities are underway to institutionalize the Building Emission Assessment Tool (BEAT) and establish a national building registry, drawing on data collected from deep-dive analyses of over 300 buildings in Kerala, Haryana, and Uttar Pradesh. A customized version of BEAT is being developed for integration into the states' building permit processes, marking a key step toward embedding carbon assessment into regulatory frameworks. The initiative aims to support the implementation of the Energy Conservation & Sustainable Building Code (ECSBC) at the state level.

From the building deep dive assessment, a pipeline of LCB projects developed for 60 buildings.

**Policy Recommendations:** Policy Recommendations and Scenario Modelling Reports have been submitted to the Bureau of Energy (BEE), Ministry of Power (MoP), and Building Materials and Technology Promotion Council (BMTPC), Ministry of Housing and Urban Affairs, with formal acknowledgements received. A technical review meeting held on 26 February with BEE and partners discussed enhancements to the impact assessment, including climate zone-based refinements. A *"Deep Dive and Carbon Performance Analysis of Buildings in Kerala"* report has been published.

**LCB Training Program:** In Q1, 6 training batches were conducted across Hyderabad, Odisha, Meghalaya, Assam, and Karnataka, reaching over 300 building professionals. Engagement with universities is progressing, with endorsement letters received from four universities in Sira, Lucknow, Rohtak, and Kothamangalam. A gap assessment report on integrating sustainability into university curricula has also been shared with BEE.

**Financial Pathways:** Progress on market activation is ongoing. Building owners and developers are being engaged on retrofit projects, with 18 MOUs signed and 30 more in the pipeline. Energy audits have been completed for five buildings in Lucknow, with additional audits planned in Delhi, Kerala, and Haryana.

A pilot building trial conducted in March confirmed alignment with earlier technical assessments. Development of a bankable pipeline of LCB projects has been completed, with implementation support to be finalized.

The ALCBT Business Model is under development, and a launch and stakeholder meeting for the GFN in India is scheduled for 30 April in Mumbai.

**Knowledge Sharing & Engagement:** A **high-level dialogue on "Transforming Buildings for Efficiency, Comfort, and Low Emission" was held at the International Energy Festival Kerala** on 9 February, where a report on the deep-dive & carbon performance analysis of buildings in Kerala was also launched.

**Governance:** The 6th TAC Meeting is planned for 10 April and the 2nd PSC is planned for July 2026. A new Chairman for the **PSC and TAC** has been nominated from BMTPC.

An MoU between GGGI and the Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA) is underway.



ALCBT India at the International Energy Festival Kerala 2026 in Ernakulam, Kerala, February 9, 2026.



LCB Training in Hyderabad, 9-10 March 2026.



LCB Training in Mumbai, 4 November 2025.

**Indonesia**

**Subnational Building Assessment:** Two focus group discussions (FGDs) were held on 23 February and 3 March in Jakarta and Semarang to refine data collection methods, attributes, and building selection criteria. Based on the FGD results, the final framework is expected to be agreed in April, with data collection scheduled to commence thereafter.

**Policy Recommendations:** Consultations on Net Zero Building (NZB) scenario model and policy recommendations are ongoing and will proceed based on government direction. Current coordination focuses on preparations for follow-up discussions with subnational stakeholders.

**LCB Training Program:** Two training sessions were held in January, benefitting 91 professionals. The next training is scheduled for April.

A call for proposals to integrate LCB modules into university curricula was launched in February, receiving submissions from 10 universities. Approximately 3-4 universities will be selected for implementation. Consultations on a Memorandum of Understanding (MoU) with the government are ongoing, alongside the partner university selection process.

**Financial Pathways:** The Ministry of Energy and Mineral Resources (MEMR) is establishing an ESCO incubation secretariat, supported by UK-PACT, and has requested integrated support from ALCBT. A risk assessment is underway to ensure alignment and avoid overlap with the planned PT Sarana in Indonesia.

Engagement is ongoing with PT Sarana Multi Infrastruktur and other stakeholders, including the Ministry of Public Works and the Special Economic Zone Secretariat. A financing concept has been developed and is scheduled for presentation in April, with implementation targeted between April and August 2026.

**Governance:** 3rd PSC Meeting is planned for Q4.



Focused Group Discussion in Jakarta on 12 February 2026.



LCB Training on Green Building Parameters on 28 January 2026.



LCB Training on 10 July 2025.

**Thailand**

**Subnational Building Assessment:** As of February 2026, data standardization has been completed, and Thailand's Carbon Footprint dataset and operational emission factors have been submitted for integration into BEAT. The dataset currently covers construction materials available in the Thailand Greenhouse Gas Management Organization database.

Data collection is ongoing, with coordination across public agencies, universities, and private sector stakeholders to gather detailed construction data (including Bills of Materials) and operational data from buildings nationwide. In March 2026, coordination was carried with key stakeholders, including Thai Airways, Suvarnabhumi Airport, as well as schools and hotels.

**Policy Recommendations:** Thailand's GPP Guidelines are being finalized and will be shared with Thailand Environment Institute for consultation with the Comptroller General's Department. A Project Steering Committee meeting is tentatively planned for April and will discuss strategies for scaling adoption across government agencies.

**LCB Training Program:** Two batches of LCB training were delivered in Khon Kaen and Chiang Mai, reaching over 90 participants. Three additional trainings are planned for Q2 in Prachuap Khiri Khan, Rayong, and Bangkok.

A "Train-the-Trainer on BEAT Tool" session was conducted online for Lampang Rajabhat University on 24 March. Discussions are ongoing with Thaksin University to integrate LCB modules into academic curricula, supported by a forthcoming MoU with ASEAN Centre for Energy (ACE).

**Financial Pathways:** The GFN framework in Thailand has been reviewed, localized into Thai, and endorsed by the TAC. Engagement is ongoing with the Thai Bankers' Association and the Thai ESCO Association to align the network with existing financial platforms, including the Thailand Taxonomy Board.

The GFN will be introduced following the development of bankable project pipelines to ensure financing mechanisms address market gaps and private sector needs.



LCB Training in Bangkok on 12 February 2026.



Training participants during the LCB Training in Bangkok on 12 February 2026.

An **Expression of Interest (EOI) call** has been launched through ALCBT channels, with early interest from schools, a hospital, a hotel, and an industrial facility across in Bangkok, Chiang Mai, Phuket, and Songkhla. Preliminary interviews are planned for April 2026, with financial modelling being adapted to local contexts.

Collection of preliminary information of potential buildings and building selection criteria is ongoing, while the financial modelling is being adjusted to align with local mechanism and incentives.

**Governance:** 3rd PSC Meeting is planned for Q4.

**Regional Updates from Implementing Partners**



Regional Dissemination Workshop on ESCO Market Assessment and On-Bill Financing Readiness Study in ASEAN in Jakarta on 15 December 2025.



Training on "Unlocking Energy Savings through Impactful Building Retrofits" in New Delhi on 27 March 2026.

**ASEAN Centre for Energy (ACE)**

**Green Public Procurement (GPP) Guidelines for Air Conditioners:** Progress has been made in Cambodia, Indonesia, and Thailand, with National Guidelines for Cambodia shared with the Ministry of Economic and Finance. Indonesia and Thailand drafts are currently being refined based on country feedback and will be submitted to governments. Regional GPP Guidelines are also under revision and will be shared through webinars and workshops in 2026.

**ASEAN BUILT and Financial Sector Engagement:** A call for EOI has been launched to support bankable project pipelines, offering technical assistance such as energy audits, financial assessments, and matchmaking with financial institutions. Focus is on retrofit projects with strong energy-saving potential.

Engagement with financial institutions continues to expand across the region. In Cambodia, discussions with ABC are ongoing, alongside broader outreach through ASEAN BUILT to connect project developers, ESCOs, and financing partners.

**ESCO Market Assessment and On-Bill Financing Readiness:** The *Indonesia ESCO Market Assessment and OBF Readiness Report* have been launched and endorsed, while Cambodia and Thailand reports are under final review for submission to governments.

**Capacity Building and University Syllabus Development:** Energy Manager Training programs in Cambodia and Indonesia are advancing, with trainings expected to begin in Q2 2026. In Thailand, new training programs are being developed with a focus on MRV & investment-grade audits.

**Regional Outreach and Events:** ALCBT contributed to a regional webinar in February on improving access to finance for green building transformation under the ASEAN+3 Green Energy Future Initiative.

**Energy Efficiency Services Limited (EESL)**

**Project Pipeline and Energy Audits:** Progress continues in building a pipeline of LCB projects. To date, 18 MOUs have been signed with building owners, with around 30 more under development.

Energy audits have been completed across a range of sites, including hospitals and public buildings in Lucknow, New Delhi, Odisha, and Bareilly. Additional audits are planned in Kerala and Haryana, with proposals submitted to institutions such as the Delhi Cantonment Board and New Delhi Municipal Council. These efforts are helping identify new opportunities for energy efficiency improvements and project implementation.

**ESCO Market Engagement and Implementation Planning:** An ESCO Market Engagement Report and country-specific strategies have been developed and are being refined. MoUs have been signed with six building owners, and discussions are ongoing with several educational institutions in Noida and Greater Noida to advance collaboration and implementation planning. Pilot procurement for 100 buildings underway.

**Capacity Building & Training:** Training and outreach activities are continuing to build technical capacity. In March 2026, a **training session on building retrofitting and energy solutions was conducted in Delhi**, bringing together participants to explore sustainable cooling technologies, ESCO models, and practical implementation approaches. Additional training programs are planned in other project countries.

**HEAT International GmbH**

**BEAT and MRV Tool:** Ongoing updates to Building Emission Assessment Tool (BEAT) focus on improving user interface, enabling easier data import, adding translations to Bahasa and Thai languages, and developing an admin interface to support long-term handover and use by government stakeholders. In parallel, the Measurement, Reporting, and Verification (MRV) tool is being refined to integrate building-level data and provide a more streamlined approach to tracking energy use and emissions across different building types. The tool also supports policy scenario modelling and emissions reduction analysis.

Efforts are underway to align BEAT, MRV tools, and NZB scenario modelling into a more integrated system for data analysis and decision-making.

**Policy and Building Taxonomy:** Policy review and recommendation reports are progressing across countries. Cambodia's **report** has been finalized and published, while reports for India and Indonesia are under final review.

A regional building taxonomy framework has also been developed, with ongoing localization in India and Indonesia. These efforts support the integration of building performance into national policies, including climate targets, long-term strategies, and GPP frameworks.

**Capacity Building and Training:** Training programs are being prepared to support the rollout of BEAT and MRV tools, along with broader LCB topics. Planned activities include Training of Trainers, government-focused trainings, and university engagement, with sessions scheduled across India, Cambodia, Thailand, and Indonesia throughout 2026.

Engagement with universities is progressing, particularly in India, where partnerships are being developed to integrate LCB and LCA concepts into academic curricula. Coordination with regional partners is ongoing to align approaches and maximize impact.

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based on a decision of the German Bundestag