

GEF - PROJECT IMPLEMENTATION REPORT (PIR)

2025-09-11 08:52:38

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1 PROJECT IDENTIFICATION

1.1 Project Details

GEF ID: 9258	Umoja WBS:SB-009147
SMA IPMR ID:35953	Grant ID:S1-32GFL-000616
Project Short Title: India Energy Efficiency	
Project Title: Creating and Sustaining Markets for Energy Efficiency	
Duration months planned:	60
Duration months age:	96
Project Type:	Full Sized Project (FSP)
Parent Programme if child project:	
Project Scope:	National
Region:	Asia Pacific
Countries:	India
GEF Focal Area(s):	Climate Change Mitigation
GEF financing amount:	\$ 18,855,963.00
Co-financing amount:	\$ 434,200,000.00
Date of CEO Endorsement/Approval:	2017-06-01
UNEP Project Approval Date:	2017-11-20
Start of Implementation (PCA entering into force):	2017-12-15
Date of Inception Workshop, if available:	
Date of First Disbursement:	2018-01-18
Total disbursement as of 30 June 2025:	\$ 11,938,831.00
Total expenditure as of 30 June:	\$ 11,643,429.00

Midterm undertaken?:	Yes
Actual Mid-Term Date, if taken:	2021-12-01
Expected Mid-Term Date, if not taken:	
Completion Date Planned - Original PCA:	2022-12-31
Completion Date Revised - Current PCA:	2025-12-31
Expected Terminal Evaluation Date:	2026-06-30
Expected Financial Closure Date:	2026-12-31

1.2 Project Description

Recognizing India's efforts towards a low emission-economy and focusing on energy efficiency program, the Global Environment Facility is supporting Energy Efficiency Services Limited (EESL) for the project "Creating and Sustaining markets for Energy Efficiency" under its GEF-6 cycle. Under this project, United Nations Environment Program (UNEP) & Asian Development Bank (ADB) are the implementing agencies and EESL is the executing agency. This project involves a total funding of USD 453.1 million comprising of:

GEF grant of USD 18.85 million

Co- Financing of USD 434.2 million from ADB (USD 200 million as loan & USD 1 million as grant), UNEP (USD 40,000 as in-kind), KfW (USD 31.2 million as loan and EESL (USD 199 million as equity & loan and USD 2.96 million as in-kind contribution). At the time of project development, KfW was considered as a co-financing partner. However, due to the changed priorities in the KfW Line of credit, the linkages with the GEF project no longer exist.

The project aims at: i) Expanding and Sustaining investments in existing market sectors, ii) Building Market Diversification and iii) Replication & Scaling Up. The project aims to mitigate 60 million tons of CO2 equivalent, that will enable a total direct energy savings of 38.3 million GJ by 2022 and 137.5 million GJ by 2032.

Component 1: - Expanding and Sustaining investments in existing market sectors: Supports certain portion of EESL's existing targets for installation of energy efficient Street Lights, Domestic Lights, 5-star Ceiling Fans & Agricultural pumps.

Component 2: - Building Market Diversification: Development & implementation of new business models through installation of new technologies such as super-efficient ACs, electric vehicles, public charging Infrastructure for EVs, tri-generation technologies, energy efficient motors, waste heat recovery systems, BLDC fans, Chillers, district cooling system, etc.

Component 3: Replication & Scaling Up: Developing a long-term growth strategy based on collected lessons, experiences etc. from the above-mentioned components and achieving a target of a USD 300 million investments across all technology areas through innovative ways of financing like an Energy Efficiency Revolving Fund (EERF).

As the project had undergone an execution modality change in the year 2023, the project was briefly suspended and restarted with the engagement of a Co-executing Agency since the start of 2024. The International Institute for Energy Conservation (IIEC) was engaged as the 'Technical Executing Agency' to support EESL in carrying out the project activities under the UNEP managed component of the project with a revised plan and budget and extended project end date of December 2025. As the activities under Component 1 have been completed, therefore the project extension currently focuses only on activities under Components 2 & 3.

1.3 Project Contacts

Division(s) Implementing the project	Climate Change Division
Name of co-implementing Agency	ADB
Executing Agency (ies)	Energy Efficiency Services Limited (EESL)International Institute for Energy Conservation (IIEC) - Co EA
names of Other Project Partners	
UNEP Portfolio Manager(s)	Asher Lessels
UNEP Task Manager(s)	Manoj Kumar Muthumanickam
UNEP Budget/Finance Officer	Fatma Twahir
UNEP Support Assistants	Mahima Moolbharati/ Mymunah Mohamed
Manager/Representative	Girja Shankar
Project Manager	Anisha Bhattacharya EESL) / Abhishek Dhupar (IIEC)
Finance Manager	Mohit Khatri (EESL) / Naraporn Khumtheing (IIEC)
Communications Lead, if relevant	

2 Overview of Project Status

2.1 UNEP PoW & UN

UNEP Current Subprogramme(s):	Thematic: Climate action subprogramme
UNEP previous Subprogramme(s):	NA
PoW Indicator(s):	- Climate : (i) Number of national, subnational and private-sector actors that adopt climate change mitigation and/or adaptation and disaster risk reduction strategies and policies with UNEP support. - Climate: (ii) Amounts provided and mobilized in \$ per year in relation to the continued existing collective mobilization goal of the \$100 billion commitment through to 2025 with UNEP support.
UNSDCF/UNDAF linkages	India UNDAF 2013-2017: Outcome 6 - Sustainable Development.India UNDAF 2013-2017: Outcome 6 - Sustainable Development.
Link to relevant SDG Goals	Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all
Link to relevant SDG Targets:	7.3 By 2030, double the global rate of improvement in energy efficiency 7.b By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States and landlocked developing countries, in accordance with their respective programmes of support

2.2. GEF Core and Sub Indicators

GEF core or sub indicators targeted by the project as defined at CEO Endorsement/Approval, as well as results

Indicators	Targets - Expected Value				Remarks
	Mid-term	End-of-project	Total Target	Materialized to date	
6- Greenhouse gas emissions mitigated		Direct: 10,556,082 tCO2eq	10,556,082 tCO2eq	As against the target of mitigating 10.5 million tCO2, the physical progress achieved, under the project would result in direct GHG emission reduction of 35 million tCO2 (by 2023) which is more than 330% than the	As against the target of mitigating 10.5 million tCO2, the physical progress achieved,

	Targets - Expected Value				
Indicators	Mid-term	End-of-project	Total Target	Materialized to date	Remarks
				target.	under the project would result in direct GHG emission reduction of 35 million tCO ₂ which is more than 330% than the target.
6.2- Greenhouse gas emission mitigated outside the AFOLU sector		Direct: 37,904,820 tCO ₂ eq Indirect: 22,351,511 tCO ₂ eq	Direct: 37,904,820 tCO ₂ eq Indirect: 22,351,511 tCO ₂ eq	As against the target of mitigating 10.5 million tCO ₂ , the physical progress achieved, under the project would result in direct GHG emission reduction of 35 million tCO ₂ (by 2023) which is more than 330% than the target.	As against the target of mitigating 10.5 million tCO ₂ , the physical progress achieved, under the project would result in direct GHG emission reduction of

	Targets - Expected Value				
Indicators	Mid-term	End-of-project	Total Target	Materialized to date	Remarks
					35 million tCO ₂ which is more than 330% than the target.
6.4- Increase in installed renewable energy capacity per technology		Direct: 137,530,085 GJ Indirect: 81,098,003 GJ	Direct: 137,530,085 GJ Indirect: 81,098,003 GJ	Direct energy avoided was 151,576,954 GJ and estimated direct energy reduction till 2032 is 168,295,091 GJ which is 122 % against the target.	Direct energy avoided was 151,576,954 GJ and estimated direct energy reduction till 2032 is 168,295,091 GJ which is 122 % against the target.

Implementation Status 2025: 7th PIR

2.3. Implementation Status and Risks

	PIR#	Rating towards outcomes (section 3.1)	Rating towards outputs (section 3.2)	Risk rating (section 4.2)
FY 2025	7th PIR	MS	MS	L
FY 2024	6th PIR	MU	MU	M

FY 2023	5th PIR	U	U	H
FY 2022	4th PIR	MS	MU	H
FY 2021	3rd PIR	S	S	L
FY 2020	2nd PIR	HS	S	L
FY 2019	1st PIR	HS	S	L
FY 2018				
FY 2017				
FY 2016				
FY 2015				

Progress: Information on progress outcomes of project implementation activities

Summary on progress towards outcomes: Throughout project period, steady progress has been made toward achieving the intended outcomes, despite challenges such as operational delays and procurement issues. Notable achievements include the completion of key deliverables till Y2025, which have significantly contributed to reducing greenhouse gas (GHG) emissions by promoting energy efficiency through the scaling-up of interventions and the application of new technologies. Outcome 1: Energy efficiency improved through the installation of street lighting (SL), domestic lighting (DL), 5 star ceiling fans and agricultural pumps (AgDSM). These include: Number of additional LED Street Lighting units replaced by LED lamps: Total of 8,657,408 units replaced Number of additional Domestic Lighting units replaced by LED lamps: Total 92,222,181 units replaced Number of additional pumps replaced by efficient agricultural pumps: Total 85,320 units replaced Number of additional fans replaced by BEE 5 Star Ceiling Fans: Total 10,999,961 units replaced The project has achieved 232% of the Domestic Lighting (DL) target and 574% of Street Lighting (SL) Target. As far as Ceiling Fans are concerned, the achievement is 51% and in AgDSM the achievement is 37%. Outcome 2: Energy efficiency improved through the installation of super-efficient ACs, tri-generation technologies, IE3 Motors under NMRP and EV Charging Infrastructure: Number of Super-Efficient ACs units installed / distributed: Total of 3,494 nos. of SEACs have been deployed till June 2024 Number of IE3 Motors under NMRP installed / distributed: Total 4451 nos. of IE3 motors installed till June 2024 Number of EV-PCIs installed: 319 EV Chargers installed Number of E-electric vehicles deployed (4-W): Total of 533 vehicles have been deployed or placed across different clients Installed Tri-generation capacity in MW: Implemented 0.8 MW + 236 TR VAM + 136000 kCal /hr (hot water) Outcome 3: Enabling conditions created to support EESL growth strategy targeting US\$ 300 million in investments across all 7 technologies (SL, DL, BEE 5 Star CF, Agricultural Pumps, Super-efficient ACs, IE3 motors, EVPCI) Based on the previous pilots and support to EESL for developing program strategies for new energy efficient technologies, fair progress has been witnessed in terms of attracting investments for new technologies. Amongst the new technologies in focus, EESL has initiated procurement of Super-Efficient Ceiling Fans, Heat Pumps and Turbo Blowers and Compressors. The procurement details are mentioned below-Tender Details: i. Compressed Air Systems: Designing, engineering, supply, inspection, installation, testing and commissioning, of energy-efficient compressor air system with screw compressors Quantity: 13 nos. Tender Value: USD 492,311 ii. Turbo Blowers: Design, engineering, supply, inspection, installation, testing and commissioning of Energy Efficient Turbo-Blower along with onsite warranty of two years on Pan India Basis Quantity: 17 nos. Tender Value: USD 668,732 iii. Heat Pumps: Supply, Installation, Testing & Commissioning of Air based, and Water based Heat Pump Space Heating System at the various buildings under Power Development Department (PDD), Leh, UT of Ladakh Quantity: 8 nos. Tender value: USD 147,058 iv. Premium Efficiency

(IE3) motors: Supply of 3 phase LV energy efficient induction motor (IE3) and after sales support including three-year comprehensive warranty from the date of supply. Quantity: 10,000 nos. Tender Value: USD 5,446,500. Super-Efficient Fans tender for procurement is under process by EESL. The expected quantity is 700,000 nos. This tender has been designed based on the findings and inputs provided to the EESL program team under the recent study carried out for the program review supported by GEF6 project. vi. Procurement of Super-Efficient Air Conditioners (SEAC) is currently being done through EESL Mart through EESL's own resources. The number of ACs deployed during the reporting period are 1190 nos. Furthermore, major commitments currently underway with support from project are as follows: i. Technical Support to MSMEs for implementation of Energy Efficient Technologies (~ USD 230,000): This project involves both study and implementation component including feasibility studies in 75 units and implementation in 30 MSME units. Though the timelines for completion are till December 2025. However, it is envisaged that it may extend beyond Y2025 due to technical support required by MSMEs is more than what was expected at the start of project. An extension in the project shall be helpful. ii. Preparation of DPRs for Net Zero Pathway for President's Estate (~ USD 75,000): This is a very prestigious project bagged by EESL to develop the Net Zero Pathway for the President's Estate. Further a possibility of implementing a District Cooling System is also in discussion with the client, for which a feasibility study is proposed under the project which shall require timelines beyond the balance time period left for the project. Furthermore, as the implementation shall start by the end of this year the impact of project TA support can be captured during the Y2026 only. iii. Conduct Feasibility Studies in 5 Corporates for EE technologies implementation (~ USD 150,000): EESL has recently signed MoUs with 3 conglomerates from the Steel & cement sector for developing Detailed Feasibility Reports (DFR) with help of the GEF project. iv. EESL staff capacity building needs assessment and training: The ToR is under finalization and the RFP for engaging a suitable agency is expected to be completed by September 2025. However, the final training and capacity building sessions shall extend beyond December 2025.

Challenges: Information on challenges of project implementation activities

The key challenge faced is aligning the project timelines with the priorities and schedules of government agencies. Since government bodies often operate under their own set of administrative procedures, approval processes, and regulatory frameworks, there can be delays or shifts in timelines that are beyond the control of the project team. These timelines are also influenced by changing policy directives, budgetary cycles, and competing priorities within different departments. As a result, maintaining project momentum and ensuring timely delivery becomes complex, requiring constant coordination, proactive communication, and flexibility in planning to accommodate evolving governmental requirements. . Government agencies such as Bureau of Energy Efficiency, DISCOMs, State Designated Agencies (SDA) and other PSU clients whom project team is following up for studies and implementation requires time more than what is envisaged. A possible extension of project can help address this challenge.

2.4 Co Finance

Planned Co-finance:	\$ 434,200,000
Actual to date:	273573000
Progress	Justify progress in terms of materialization of expected co-finance. State any relevant challenges:

	As of June 2021, the total co-financing realization was approximately 63% of the total USD 434.2 million committed to the project. The latest reports are still awaited from EESL finance department.
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2.5. Stakeholder

Date of project steering committee meeting	2024-06-19		
Stakeholder engagement (will be uploaded to GEF Portal)	1. Workshops:		
	Workshops	Participants	
	Male	Female	
	CII (Hyderabad) Upscaling of Energy-Efficient Technologies in India's Industrial sector Date: 12 th September 2024 Venue: Hyderabad	81	2
	FICCI (Ahmedabad) Workshop On Adoption & Implementation of Energy Efficient Technologies in Industries Date: 18 th October 2024	56	3

	Venue: Ahmedabad, Gujarat			
	FICCI (Ludhiana) Workshop On Adoption & Implementation of Energy Efficient Technologies in Industries Date: 22 nd November 2024 Venue: Ludhiana, Punjab	62	2	
	FICCI (Bengaluru) Workshop On Adoption & Implementation of Energy Efficient Technologies in Industries Date: 29 th January 2025 Venue: Bangaluru	96	3	
	CII (Delhi) Advancing India's Low-Carbon Growth through Energy Efficiency intervention in the Industrial and Building Sector Date: 29 th May 2025	49	9	

	Venue: New Delhi		
	2. Stakeholder Consultations:		
	Stakeholder Consultations	Participants	
	Male	Female	
	Stakeholder Consultation on Compressed Air Systems (Technical Consultation on Super-Efficient Technologies for Industrial Utilities (Compressed Air Systems) Date: 06 th February 2024 Venue: New Delhi	25	1
	Stakeholder Consultation on WHRS (Technical Consultation on Waste Heat Recovery Systems in Industries) Date: 13 th March 2024 Venue: New Delhi	41	NIL
	Stakeholder Consultation on Heat Pump (Technical Consultation on	67	1

	Heat Pumps for Industrial & Commercial Applications) Date: 22 nd May 2024 Venue: Pune, Maharashtra			
	Stakeholder Consultation on Cooling Energy Efficiency (Technical Consultation on Accelerating the Adoption of Energy-Efficient Cooling Solutions) Date: 09 th May 2025 Venue: New Delhi	26	5	
	Two Stakeholder Consultations – IIT Madras Date: 19 th November 2024 Venue: IIT Madras	25	2	
	Two Stakeholder Consultations – IIT Madras (Development of Heat pump guidelines – discussion meeting) Date: 28 th February 2025 Venue: Pune	26	6	

	3. Cluster Level Boardroom Meeting:		
	Focused Group Discussions (FGD)	Participants	
	Male	Female	
	1. FGD with Reliance, Mumbai	7	0
	2. FGD with Aditya Birla Group, Mumbai	12	2
	3. FGD with Dalmia Cement, New Delhi	4	0
	4. FGD with JSW Steel, Mumbai	6	0
	5. FGD with Jindal Steel, Online mode	12	1

2.6. Gender

Does the project have a gender action plan?	Yes		
Gender mainstreaming (will be uploaded to GEF Portal):	Since 2024, under the project, a total of 16 events and focused group discussions were conducted, the details of which are provided above in the summary section. However, overall invitations were sent to around 1250 out of which the participants were 561 males and 34 females. The details of the same are mentioned in the summary section above. Further, EESL conducts energy efficiency awareness programmes for women. The sessions include information on important aspects such as India electricity generation and consumption patterns, major causes and impact of pollution, sources of renewable energy, electric vehicles, introduction to the concept of energy efficient technologies, sustainable energy use practices promoted by the Government of India’s LIFE Mission and career opportunities in the energy efficiency sector. The objective of the sessions is to sensitize the participants, catalyze behavior change towards conscious energy choices, encourage the promotion of sustainable energy use at the household and community level and generate awareness on the career opportunities in the sector. As a key partner in the WePower Programme, supported by the Asian Development Bank (ADB), World Bank and with AIWC (All India Women Conference), EESL is promoting gender mainstreaming and social inclusion within the energy sector. Details of the awareness programs conducted in 2024-25 across different locations:		
	S.No	Details of the programs	Dates/Locations
	1	Training on Gender Equility and Social Inclusion for Unit Heads /Cluster Heads/State Heads conducted by EESL 33 male and 15 female participated, supported by 3 facilitators	2nd September 2024/Corporate office, Delhi

		conducted by EESL	
	20th September 2024/Corporate office, Delhi		
	2	Conducted by EESL with support of AIWC and <i>Dhuri hu mai</i> NGO, attended by 55 females	16th July,2024/Delhi
	3	Conducted by EESL with support of AIWC and Vikas Mahila Sangam, attended by 46 females	1st October 2024/Delhi
	4	Conducted by EESL with support of ADB and Azad Foundation, Jaipur, participated by 30 girls	9th December 2024Jaipur
	5	Conducted by EESL with support of AIWC and STREE Mandal (AIWC Center), Vadodara, Gujarat, participated by 58 females	28th December 2024/ Vadodara

2.7. ESSM

Moderate/High risk projects (in terms of Environmental and social safeguards)	Was the project classified as moderate/high risk CEO Endorsement/Approval Stage? No If yes, what specific safeguard risks were identified in the SRIF/ESERN?
New social and/or environmental risks	Have any new social and/or environmental risks been identified during the reporting period? No If yes, describe the new risks or changes?
Complaints and grievances	Has the project received complaints related to social and/or environmental impacts (actual or potential) during the reporting period?

related to social and/or environmental impacts	No If yes, please describe the complaint(s) or grievance(s) in detail, including the status, significance, who was involved and what actions were taken? None at this time.
Environmental and social safeguards management	No activities have been undertaken during this reporting period.

2.8. KM/Learning

Knowledge activities and products	The key learnings till date under the project are highlighted as follows- 1. Alignment of National priorities and project objectives: Since government bodies often operate under their own set of administrative procedures, approval processes, and regulatory frameworks, there can be delays or shifts in timelines that are beyond the control of the project team. These timelines are also influenced by changing policy directives, budgetary cycles, and competing priorities within different departments. As a result, maintaining project momentum and ensuring timely delivery becomes complex, requiring constant coordination, proactive communication, and flexibility in planning to accommodate evolving governmental requirements. 2. Willingness and readiness of the beneficiaries such as MSME industries, building owners: While studies often generate valuable insights, recommendations, and innovative approaches, the process of mainstreaming these findings into actionable programs or large-scale interventions tends to be slow. This delay can stem from institutional inertia, lengthy approval processes, lack of adequate funding, or limited technical capacity within implementing agencies. Additionally, stakeholders may be hesitant to adopt untested approaches at scale due to perceived risks, operational complexities, or conflicting priorities. As a result, the potential impact of these learnings remains underutilized, and opportunities for accelerating progress are lost. One way the project has ensured that the stakeholder buy-in increases is to extend support to the end users for conducting feasibility studies and DPR, which will help them make an informed decision.
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Main learning during the period	The key learnings till date under the project are highlighted as follows- 1. Alignment of National priorities and project objectives: Since government bodies often operate under their own set of administrative procedures, approval processes, and regulatory frameworks, there can be delays or shifts in timelines that are beyond the control of the project team. These timelines are also influenced by changing policy directives, budgetary cycles, and competing priorities within different departments. As a result, maintaining project momentum and ensuring timely delivery becomes complex, requiring constant coordination, proactive communication, and flexibility in planning to accommodate evolving governmental requirements. 2. Pace of adoption of learnings from the studies and their conversion into scalable models: While national policies and development agendas often provide an overarching direction, projects may have more focused, sector-specific, or localized goals. In case of EESL being a State-owned Enterprise (SoE) with changing priorities, short-term projects requiring quick results hamper the progress towards long-term goals. This misalignment can lead to delays in approvals, resource constraints, or reduced stakeholder buy-in. 3. Willingness and readiness of the beneficiaries such MSME industries, building owners: While studies often generate valuable insights, recommendations, and innovative approaches, the process of mainstreaming these findings into actionable programs or large-scale interventions tends to be slow. This delay can stem from institutional inertia, lengthy approval processes, lack of adequate funding, or limited technical capacity within implementing agencies. Additionally, stakeholders may be hesitant to adopt untested approaches at scale due to perceived risks, operational complexities, or conflicting priorities. As a result, the potential impact of these learnings remains underutilized, and opportunities for accelerating progress are lost.
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Reflows

Reflows (for NGIs only)	Not Applicable.
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2.9. Stories

Stories to be	A video on the Impact Assessment of the Street Lighting National Program, managed by EESL, has been developed with support from the project, which
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shared	will be published in Q3 2025.
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3 Performance

3.1 Rating of progress towards achieving the project outcomes

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	End of Project Target	Progress as of current period(numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June	Progress rating
To reduce greenhouse gas (GHG) emissions through energy efficiency through scaling up and new technology applications	Cumulative amount of Direct GHG emissions reductions (in tCO2eq)	0 tCO2eq		10,556,082 tCO2eq37,904,820 tCO2eq	330%	Projected end-of-project expected level of GHG emission reductions:34,913,095 tCO2eq (by2023)46,787,361 tCO2eq (by 2032)	HS
Energy efficiency improved through the installation of street lighting (SL), domestic lighting (DL), 5 star ceiling fans and agricultural pumps (AgDSM)	Number of additional Domestic Lighting units replaced by LED lamps	208,296,978 units replaced (as at February 2017)		39,776,293 additional Domestic Lights replaced by LED lamps (by 2022)	574%	Total 92,28,5667 units replacedJuly 2024 - June 2025: 63,486 unitsJuly 2023 - June 2024: 61,000 units July 2022 – June 2023: 107,462 units July 2021 – June 2022: 1,839,041 unitsJuly 2020 – June 2021: 4,252,290 unitsJuly 2019 – June 2020: 16,588,630 units Jan 2018 – June 2019: 69,434,758 units	HS
Energy efficiency improved through the installation of street lighting (SL), domestic lighting (DL), 5 star ceiling fans and agricultural pumps (AgDSM)	Number of additional LED Street Lighting units replaced by LED lamps	1,653,204 units replaced (as at February 2017)		1,505,942 additional Street Lights replaced by LED lamps	579%	Total of 8,727,192 units replaced July 2024 - June 2025: 69,784 unitsJuly 2023 - June 2024: 7000 units July 2022 -June 2023: 407,051 unitsJuly 2021 – June 2022: 702,288 unitsJuly 2020 -June 2021: 987,287 unitsJuly 2019 -June 2020: 1,562,212 unitsJan 2018 - June 2019: 4,991,570 units	HS
Energy efficiency improved through the installation of street lighting (SL), domestic lighting (DL), 5 star ceiling fans and agricultural pumps (AgDSM)	Number of additional pumps replaced by efficient agricultural pumps	2,527 units replaced (as of February 2017)		229,532 additional pumps replaced by efficient agricultural pumps	37%	Total 85,320 units replacedJuly 2024 - June 2025: NILJuly 2023- June 2024: NILJuly 2022 – June 2023: 7,010 units July 2021 – June 2022: 3,393 units July 2020 – June 2021: 2,331 units July 2019 – June 2020: 3,477 units Jan 2018 – June 2019: 69,109 units	MU
Energy efficiency improved through the installation of street lighting (SL), domestic lighting (DL), 5 star ceiling fans and	Number of additional fans replaced by BEE 5 Star Ceiling Fans	287,929 units replaced (as at February		2,128,298 additional fans replaced by BEE 5 Star Ceiling Fans	54%	Total 11,65,716 units replacedJuly 2024 - June 2025: 65,755 UnitsJuly 2023 – June 2024: 5,485 unitsJuly 2022 – June 2023: 36,250 unitsJuly 2021 – June 2022: 63,766 unitsJuly 2020 – June 2021: 51,091	MS

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	End of Project Target	Progress as of current period(numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June	Progress rating
agricultural pumps (AgDSM)		2017)				unitsJuly 2019 – June 2020: 164,220 unitsJan 2018 – June 2019: 779,149 units	
Energy efficiency improved through the installation of street lighting (SL), domestic lighting (DL), 5 star ceiling fans and agricultural pumps (AgDSM)	Number of gender sensitive end-user awareness programs conducted	0		End-user awareness programs implemented with 30% women's participation	100%	The Sustainable Development Unit at EESL organizes programs/ events pertaining to gender equality and social inclusion. During the current reporting period a total of 5 events have been organized focusing on female participation, details of which is mentioned in the summary section.	HS
Energy efficiency improved through the installation of super-efficient ACs, tri-generation technologies, IE3 Motors under NMRP and EV Charging Infrastructure	Number of Super-Efficient ACs units installed / distributed	0		50,000 super-efficient ACs units to be installed / distributed	6.2%	Totally 3,146 no. of SEACs have beendeployed with the project'ssupport. Towards this, EESL hasutilized USD 1.55 million from the EERFcomponent. Currently, EESL has listed the Air Conditioners on its EESLMart making it a standard offering for consumers to buy through the online portal. The total no. of ACs deployed between July 2024 to June 2025 are 1190 nos.	U
Energy efficiency improved through the installation of super-efficient ACs, tri-generation technologies, IE3 Motors under NMRP and EV Charging Infrastructure	Number of IE3 Motors under NMRP installed / distributed	0		40,000 Energy efficient IE3 motor units to be installed / distributed	0.4%	Till June 2024: Total 4451 nos.installed July 2024 - June 2025: 853July 2023 - June 2024: No TenderJuly 2022 - June 2023: No TenderJuly 2021 - June 2022: 2045 nos.July 2020 - June 2021: 1387 nos.July 2019 - June 2020: 166 nos.(GEF supported)Procurement done after Y2020 is without the support from GEF	HU
Energy efficiency improved through the installation of super-efficient ACs, tri-generation technologies, IE3 Motors under NMRP and EV Charging Infrastructure	Number of EV-PCIs installed	0 units		200 nos. EV Public Charging Infrastructures to be installed	93%	It's worth noting that the GEF project has financially supported a total of 186 Exicom Chargers (142 kW Combo), while an additional 115 Okaya Chargers have been financed through the ADB Loan. Despite the presence of 319 installed chargers, the count of operational chargers remain at 68% (216 chargers) due to challenges related to energization	HS

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	End of Project Target	Progress as of current period(numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June	Progress rating
						encountered by the DISCOMs. Out of these 136 chargers are GEF funded. Since 2023, EESL is no longer investing in EVCI.	
Energy efficiency improved through the installation of super-efficient ACs, tri-generation technologies, IE3 Motors under NMRP and EV Charging Infrastructure	Number of E-electric vehicles deployed (4-W)	0 units		550	96%	Two (ICB) tenders have been executed with the support of GEF funds. Letters of Awards (LoAs) were given during the periods of September 2020 and June 2021. To date, a total of 533 vehicles have been deployed or placed across different clients.	S
Energy efficiency improved through the installation of super-efficient ACs, tri-generation technologies, IE3 Motors under NMRP and EV Charging Infrastructure	Installed Tri-generation capacity in MW	0 MW		Tri-generation pilot project to be implemented targeting 12.5 MW of installed capacity (by 2022)	7%	Earlier Implemented 0.8 MW + 236 TR VAM. EESL has discontinued the Tri-generation program since 2023.	HU
Enabling conditions created to support EESL growth strategy targeting US\$ 300 million in investments across all 7 technologies (SL, DL, BEE 5 Star CF, Agricultural Pumps, Super-efficient ACs, IE3 motors, EVPCI)	Number of new technologies piloted by the project that meet EESL's investment criteria	Number of current technologies ventured (5 technologies)		At least 2 new technologies meet EESL's investment criteria (by 2022)	100%	Some portion of the pilots (SEAC, IE3 motors, EV and EV chargers) and 0.8 MW Tri-generation plant which are supported by the project are also funded through EESL's equity and debt meeting the EESL's investment criteria. In addition, it may be noted, few other procurements are currently under tendering stage with the consideration of the EESL funding without the involvement of GEF grant. While, the Trigeneration program has stopped since Y2023. However, for the Super-Efficient Fans, AC & motors program, the investment/ procurement is happening through EESL's own resources, details are mentioned in the summary section.	MS
Enabling conditions created to	Revolving Fund - investment	0		Investment	0	This was part of the ADB led output. However, for	U

Project Objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	End of Project Target	Progress as of current period(numeric, percentage, or binary entry only)	Summary by the EA of attainment of the indicator & target as of 30 June	Progress rating
support EESL growth strategy targeting US\$ 300 million in investments across all 7 technologies (SL, DL, BEE 5 Star CF, Agricultural Pumps, Super-efficient ACs, IE3 motors, EVPCI)	pipeline amounts in US\$ at the end of the project			Pipeline (as per EERF mandate) of US\$ 300,000,000 established		various reasons this was not addressed. This will be captured in future.	

3.2 Rating of progress implementation towards delivery of outputs (Implementation Progress)

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
1 EXPANDING AND SUSTAINING INVESTMENTS IN EXISTING MARKET SECTORS	The outputs to expand the existing line of technologies using ADB loan has been completed and has become part of EESL's standard business.	2022-12-31	100%	100%	The outputs to expand the existing line of technologies using ADB loan have been completed and has become part of EESL's standard business. Additional details on these outputs could be referred to in previous PIRs. Output 4 of the earlier work plan pertaining to the review of the business models and MRV related activities is now considered under component 3 (as revised output 6). This shift is to have better orientation of the output under component 3 which is about strengthening the EESL systems for scaling up. Output 6 of the earlier work plan, pertaining to the revolving fund, is now shifted to Component 2 (new output 5) to have synergy with the objective of the GEF investment grant which is to support development of new business areas. This was	S

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					part of the ADB led output to establish a revolving fund structure. However, for various reasons this could not be addressed and hence being carried out under component 2 (UNEP led).	
2 BUILDING MARKET DIVERSIFICATION	As per the MTR review, output 7 (Standards and specifications) of the earlier work plan is now split as output 2, 3 and 4 in the revised work plan for better clarity and tracking of the progress. To have synergy with the intent of the revised plan, some of the earlier outputs / deliverables which are completed have been merged. However, for visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.					
2 BUILDING MARKET DIVERSIFICATION	2.1 Market assessment for development and implementation of BLDC fans and WHR systems programs, including its potential and identification of key sectors	2024-09-30	50%	100%	The market assessment for BLDC fans has been completed in Y2023 by EESL. While the market assessment for WHRS was undertaken by IIEC in the month of May 2024 by engaging an external agency and it was finalized in the month of December 2024. The study has been completed . The report was launched and presented on 29th May 2025 during a conference in New Delhi. Upon acceptance by EESL, subsequently a new activity related to and holding MSME industries through technical support for implementation of WHRS and other technologies has been initiated with support from the project.	HS
2 BUILDING MARKET DIVERSIFICATION	2.2 Market assessment for Cooling as a Service (CaaS) model for implementing EE cooling technologies in public buildings at two cities	2024-12-31	30%	50%	Market assessment for Cooling as a Service (CaaS) model was completed in January 2025 including the business and financial models preparation for EESL. Field visits and meetings	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					were held with 6 public building authorities i.e. Anna University, NTPC PMI, RITES, BSE, SAI, IWAI, RMC and PGCIL to carry out the feasibility studies for CaaS. However, in line with subsequent discussions EESL has submitted the proposals for implementing CaaS to NTPC PMI, SAI stadiums and IWAI building. The agreement signing with Inland Waterways Authority of India (IWAI) and Sports Authority of India (SAI) is expected by SEPT/OCT 2025.	
2 BUILDING MARKET DIVERSIFICATION	2.3 Market assessment for other industrial / commercial EE technologies to identify the potential and key sectors of intervention	2025-12-31	10%	40%	In consultation with EESL, it was decided to conduct a Market Assessment of Energy Efficient Technologies for Industrial Utilities, which was initiated in September 2024. study was concluded in Jan 2025. The report was launched and presented on 29th May 2025 during a conference in New Delhi. Similar studies for other technologies such as electric cooking, electric boilers are under discussion.	MU
2 BUILDING MARKET DIVERSIFICATION	2.4 Market assessment for development and implementation of Industrial/commercial heating solutions through Heat pumps, including its potential and identification of key sectors	2024-09-30	30%	90%	The market assessment study of Heat Pumps in India was completed in Jan 2025. The report was launched and presented in May 2025 during a workshop in New Delhi. Further, in collaboration with IIT Chennai, guidelines for the design and performance of heat pump systems has been developed under the same output. The final document has been received in May 2025 and is under finalisation based on the changes suggested. It is expected that the guidelines shall be finalized by August 2025.	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
2 BUILDING MARKET DIVERSIFICATION	As per the MTR review, output 7 (Standards and specifications) of the earlier work plan is now split as output 2, 3 and 4 in the revised work plan for better clarity and tracking of the progress. To have synergy with the intent of the revised plan, some of the earlier outputs / deliverables which are completed have been merged. However, for visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.		100% (in reference to the PIR 2021, before the revision of the work plan)			
2 BUILDING MARKET DIVERSIFICATION	3.1 Conduct of at least 16 awareness workshops and events (2 per quarter)	2025-10-31	60%	90%	Since Jan 2024, a total of 5 workshops, 4 stakeholder consultations and 6 focussed group discussions have been conducted. The main objective of these consultations and events were to reach out to the relevant stakeholders apprise them about the EESL programs seek their inputs for new program development or provide support in the adoption of energy efficient technologies. The details of the events are attached as annexures.	HS
2 BUILDING MARKET DIVERSIFICATION	3.2 Conduct of at least two national / international symposium (tentatively Sept 2024 and August 2025)	2024-10-07	0		The activity shall be planned in last quarter of Y2025.	U
2 BUILDING MARKET DIVERSIFICATION	As per the MTR review, output 7 (Standards and specifications) of the earlier work plan is now split as output 2, 3 and 4 in the revised work plan for better clarity and tracking of the progress. To have synergy with the intent of the revised plan, some of the earlier outputs / deliverables which are completed have been merged. However, for visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.		80% (in reference to the PIR 2021)			

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
2 BUILDING MARKET DIVERSIFICATION	4.1 Undertake at least 10 feasibility / detailed design studies for pilot projects of WHR, Optimization of Compressed Air System, Utility Pumps, Industrial refrigeration, Boiler & steam distribution system, Chillers and AHUs (including payment security mechanisms, financial modelling, contractual obligations, capacity building, etc.)	2024-12-31	30%	40%	A set of five (5) feasibility studies for WHRS were undertaken for EESL clients from various sectors, starting from May 2024 to Dec 2024. These studies aimed at assessing the opportunity of implementation of the proposed solutions by assessing its feasibility at the identified sites with subsequent presentations and submission of Detailed Project Reports (DPR) to all 5 industries in December 2024. The clients were Orient Paper, Tata Motors, Hindware, Bombay Dyeing, and Cement Corporation of India. EESL is in discussion with 2 clients having a significant potential for implementing the proposed solutions. Bombay Dyeing has signed an agreement with EESL for implementing Cooling options through Waste Heat Recovery (Vapor Absorption Machine of 950TR) in its manufacturing facilities. The system is expected to be installed by October 2025.	U
2 BUILDING MARKET DIVERSIFICATION	4.2. Detailed assessment of district cooling system and development of implementation plans for efficient cooling systems including for at least 3 townships or campuses	2025-12-28	0%	0%	EESL & IIEC have approached several clients, including government authorities; however, to date, no decision from any of the clients has materialized due to reasons beyond our control. Therefore, this activity is delayed; we expect 1 or 2 clients to provide a firm request for developing the DPR for District Colling to materialize by end of Sept 2025. These clients are Anna University, IIT Delhi, TIDCO, President's Estate, Scope Complex, Reliance Industries etc.	U

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
2 BUILDING MARKET DIVERSIFICATION	As per the MTR review, deliverables of the output 6 of the earlier work plan has been modified and simplified and made as output 5 of the current work plan. For visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.					
2 BUILDING MARKET DIVERSIFICATION	5.1 Finalization of most appropriate legal structure for Strategic Utilization of EERF (previously done activities with ADB support would be the basis)	2024-11-30	40	90%	The operation and governance structure has been finalised in consultation with EESL's commercial department in Jan 2025. The Framework Report has been finalized and shared with EESL concerned departments. EESL is in process of implementation of the recommendations suggested in the structuring report. Primary it covers establishment of the EERF fund through a dedicated fund account and recouping the funds from different verticals, nomination of a fund manager & approval of guidelines.	MS
2 BUILDING MARKET DIVERSIFICATION	5.2. Development of operation and governance guidelines for Strategic Utilization of EERF (accounting for the reflows from the current investments)	2024-11-30	40%	90%	The operation and governance guidelines have been finalised and the report has been submitted to EESL in Feb 2025. Further progress it yet to be made basis the finalization of framework mentioned in the above section 5.1	MS
2 BUILDING MARKET DIVERSIFICATION	As per the MTR review, the activities under the output 8, component 2 of the earlier work plan focussing on the implementation of the pilots with ADB support (grant) are being taken up as a part of the EESL practice, under the project (This output was led by ADB). For visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.					

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
3 REPLICATION AND SCALING-UP	6.1. Comprehensive review and feedback for improving programmes and systems As per MTR review, activities under the Output 4 under component 1 of the earlier work plan which included review of the business models and MRV related activities are now being considered under this revised output 6.1, component 3. This shift is to represent the synergy and intention under component 3 For visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.	2025-12-31	0%	45%		MS
3 REPLICATION AND SCALING-UP	6.1.1. Comprehensive review of current program design including review of business models, stakeholder agreements, operation modalities, etc. for EESL programmes (mainly Street Lighting, BLDC, AC, IE3 motors, etc.)	2025-12-31	10%	25%	The program review and impact assessment of the EESL Fan program commenced in Jan 2025 and was completed by June 2025. The review of Street Lighting National Program is on hold by EESL as the program modalities are expected to be changed by July 2025. Therefore it shall be taken up in August 2025 for developing new business models. Meanwhile, no other program has been taken up for review during the reporting period, primarily due to low scale of deployment.	MS
3 REPLICATION AND SCALING-UP	6.1.2. Impact Assessment of various EESL programmes including review of gender mainstreaming, social inclusiveness, conduct of 3rd party MRV, customer satisfaction surveys, etc. to review and refine the programmes (to be carried out once in Q4 2022 / Q1 2023)	2024-12-31	20	60%	The impact assessment of SLNP was completed by September 2024. The report has been submitted to EESL. Meanwhile, a video showcasing the impact of SLNP was completed including social inclusiveness and the final draft was submitted in June 2025. The impact assessment for Super Efficient Ceiling Fans was also undertaken during the reporting period and the findings have been submitted in the form of a report to EESL and have been accepted by	MS

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					EESL.While programs such as motors and ACs are currently not taken up for impact assessment during the reporting period, due to limited deployment till June 2025.	
3 REPLICATION AND SCALING-UP	6.1.3. Discussion and adoption of key results of impact assessment for further integration into EESL's business practices	2024-09-30	0%	50%	The presentation and discussions with the concerned team at EESL have been completed for both Street Lighting National Program (SLNP) and BLDC Fans based on its impact assessment and program review in May 2025. The inputs received from the program review of Ceiling Fans a new tender of 700,000 fans which will be technology agnostic and improved service factor of 6.0 to be published by October 2025.	MS
3 REPLICATION AND SCALING-UP	6.2. Assessment of existing QA practices including stores management practices and recommendations for systemic improvements of QA practices including training & capacity needs. Further development of technology wise (including future ones) QA SoPs	2025-09-30	0%	0%	It is expected that the activity might not be taken up as EESL is transitioning towards an asset light organisation, with minimal to zero stock keeping of appliances. A revision in workplan shall be taken up for this activity.	U
3 REPLICATION AND SCALING-UP	As per MTR review, output 9 under component 2 of the earlier work plan had activities on MRV and QA. This output and its activities are also now being catered under revised output 6 under component 3 (output 6.3 of the new work plan). For visibility and to present an overall picture of the project's progress, the achievements of earlier work plan / PIRs are presented separately.					
3 REPLICATION AND SCALING-UP	6.3.1 System level assessment of MRV consideration and inclusion in programme design and implementation as well as recommendations to strengthen the requirements of MRV for all future programmes	2025-10-30	0		This activity is delayed. EESL shall initiate the same by Q3 2025.	HU
3 REPLICATION AND SCALING-UP	6.3.2. Development of MRV protocols and methodology for SLNP, BLDC, AC, IE3 motors, pumps, etc. developed, including systems for	2025-09-30	0		This activity is delayed. However, EESL shall initiate the same by Q3 2025.	HU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	3rd Party verification and training on MRV protocol					
3 REPLICATION AND SCALING-UP	6.3.3. Implementation of the MRV data monitoring requirements and systems for data collection in the pilots	2025-09-30	0		This activity shall be taken up after completion of the above activity.	HU
3 REPLICATION AND SCALING-UP	6.4.1. Assessment of capacity building needs of EESL staff	2025-12-31	0	0%	The ToR for Gap assessment and capacity building needs of EESL's workforce has been shared with UNEP and is pending for comments/ approval.	MU
3 REPLICATION AND SCALING-UP	6.4.2. Capacity building activities / workshops / trainings including those as per the assessments at 6.4.1 and 6.2	2025-12-31	10		The ToR for Gap assessment and capacity building needs of EESL's workforce has been shared with UNEP and is pending for comments/ approval.	MU
3 REPLICATION AND SCALING-UP	6.5. Development, upgradation and maintenance of EESLmart website including stock management, product tracking, etc. (This also includes output 12.1 to 12.3 of the previous work plan)		0	100%	The current EESLMart showcases only appliances that are procured by EESL. However, EESL management is of the view to develop an e-marketplace that will provide offering not limited to energy efficient appliances but also projects and services not only that of EESL but also of other suppliers/manufacturers. Therefore, a study for developing 'A strategic roadmap for creating an EESL e-marketplace' was initiated in October 2024 to support EESL in developing an e-marketplace, which will include the ongoing EESL projects. Thereport was finalised in Jan 2025 and has been presented to all the concerned departments of EESL, including Commercial and IT teams. The report has been submitted and presented to the to EESL CEO. The report has been well accepted and the project team has	MS

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					been advised to initiate engage a professional IT agency for developing the e-marketplace.	
3 REPLICATION AND SCALING-UP	6.6. Development of a MIS to capture all relevant information in Street Lighting programme for effective project management	2025-12-31	0	10%	A ToR for developing MIS for EESL projects and programs has been drafted in May 2025 and discussed with the EESL IT Team. However, developing the MIS platform and integrating it with SAP requires significant budget and a timeline of approx. 12 months. Hence, a timeline extension of the project is being sought by EESL & IIEC.	MU
3 REPLICATION AND SCALING-UP	7.1. EESL's contribution for NDC and Net zero pathway for public Buildings and industries	2024-12-31	0%	0%	There has been no clear consensus regarding taking up this activity by EESL, hence the activity is delayed. Further, it is being deliberated to utilize the budget against some other activity that supports the scaling up of other EESL programs.	HU
3 REPLICATION AND SCALING-UP	7.2. Development of Carbon market strategy for EESL portfolio of programmes	2025-03-31	0	0%	The RFP was published by EESL on 01st Feb 2023. The technical evaluation of proposals was completed in December 2024. However, due to certain irregularities and deficiencies in the bids received, therefore the tender has been annulled by EESL. The revised procurement approach is being discussed with UNEP and IIEC.	HU
3 REPLICATION AND SCALING-UP	8.1. Utility based DSM plans for at least three DISCOMS	2025-10-31	0%	0%	This activity is yet to be undertaken. EESL & IIEC had approached the Bureau of Energy Efficiency to collaborate for a utility-based DSM portal in November 2024. However, due to the transition in BEE(Change of its Director General) The decision-making is affected and is still awaited.	HU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
					In case of no decision from BEE is received, the budget may be utilized for some other activity based on the remaining time period of the project. Meanwhile, EESL is exploring the opportunity of collaborating with few DISCOMs.	
3 REPLICATION AND SCALING-UP	8.2. Energy savings plans for at least 6 entities of ULBs/Smart Cities/State Green Missions/Railways/Shipping ports/Airports/Universities	2024-10-15	20	30%	The energy savings plan for six public/municipal buildings, including IOCL (NRO, SRO, WRO, Headquarters, BP Tikrikalan) and RITES. Final reports have been submitted to the respective clients and EESL. The studies have resulted in the following outcome: 1. IOCL-NRO has engaged an agency to implement an Integrated Building Management System (IBMS). 2. IOCL-SRO has expressed interest in participating in the feasibility study for the Cooling-as-a-Service model under the GEF6 project to explore the opportunity for implementation. 3. Meanwhile, RITES is seeking budget approval for the implementation of certain options suggested in the report submitted to them.	MS
3 REPLICATION AND SCALING-UP	8.3.1 Assessment of capacity building needs of major client groups including information content & a detailed training plan	2025-10-31	0%	0%	ESL intends to assess the capacity requirement of major clients where EESL is involved in technology implementation including MSMEs. This activity is planned for Q4 2025 or may require additional time period.	HU
3 REPLICATION AND SCALING-UP	8.3.2. Implementation of capacity building activities as per the above assessment	2025-12-31	0	0%	As 8.3.1 is yet to initiate, therefore this will be taken up by EESL in Q4 2025.	HU
3 REPLICATION AND SCALING-UP	9.1. Development of a communication and advocacy strategy for EESL portfolio of programmes (including gender mainstreaming and	2025-11-30	0%	0%	This activity is not yet initiated due to the delay in the implementation of pilot projects by EESL.	MU

Component	Output/Activity	Expected completion date	Implementation status as of previous reporting period (%)	Implementation status as of current reporting period (%)	Progress rating justification, description of challenges faced and explanations for any delay	Progress Rating
	aspects from various impact assessments)					
3 REPLICATION AND SCALING-UP	9.2. Preparation of public awareness materials including communication materials to document the success of implementing the pilots and MRV systems	2025-11-30	0%	0%	As the implementation of pilot projects is delayed by EESL, therefore this activity has not been taken up to date. Recently, EESL has initiated a few implementation of turbo blowers, screw compressors, heat pumps. The same has been reported in the summary section in the report. Therefore, this will be taken up in Q3/Q4 of 2025.	HU
3 REPLICATION AND SCALING-UP	9.3. Publishing at least 4 UNEP / EESL joint articles on various pilots	2025-12-30	0%	0%	As the implementation of pilot projects is delayed by EESL, this activity has not been taken up till date. Further, two press releases have been issued related to launch of study reports and the MoU signing with corporates.	U

The Task Manager will decide on the relevant level of disaggregation (i.e. either at the output or activity level).

4 Risks

4.1 Table A. Project management Risk

Please refer to the Risk Help Sheet for more details on rating

Risk Factor	EA Rating	TM Rating
1 Management structure - Roles and responsibilities	Low	Low
2 Governance structure - Oversight	Low	Low
3 Implementation schedule	Moderate	High
4 Budget	High	High
5 Financial Management	Low	Low
6 Reporting	Low	Low
7 Capacity to deliver	Moderate	Moderate

If any of the risk factors is rated a Moderate or higher, please include it in Table B below

4.2 Table B. Risk-log

Implementation Status (Current PIR)

Insert ALL the risks identified either at CEO endorsement (inc. safeguards screening), previous/current PIRs, and MTRs. Use the last line to propose a suggested consolidated rating.

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
- Improper design - Improper selection of equipment - Complexity of technical specifications - Limited knowledge of integrating the different	Outcome 2 and Output 8.1. 8.2. 8.3 and 8.4	H	M	M	M	L	L	L	=	No change

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
components of tri-generation										
Limited number of manufacturers and suppliers in India	Outcome 2 and Output 8.1. 8.2. 8.3 and 8.4	M	L	M	L	L	L	L	=	No change
Performance risks related to performance of energy efficient equipment post implementation arises due to: • Quality of equipment • External conditions like weather • Equipment breakdown	Outcome 2 and Output 8.1. 8.2. 8.3 and 8.4	M	L	M	L	L	L	L	=	No change
Regulatory risks arise due to change in regulatory environment in the region or country. These risks affect the project financials. Some of the regulatory risk are: • Interest rate fluctuation • Energy price (gas. electricity) • fluctuation • Foreign • exchange risk • Regulatory changes in laws relating to tax concessions. etc.	Outcome 2 and Output 8.1. 8.2. 8.3 and 8.4	L	N/A	N/A	L	L	L	L	=	No change
The financial risk mainly deals with the cost escalations associated with the project due to delay in procurement. installation and commissioning of technologies	Outcome 2 and Output 8.1. 8.2. 8.3 and 8.4	L	N/A	N/A	L	L	L	L	=	No change
• Safety of Labour • Ensuring timely wages to labours	Outcome 1 & 2. Outputs 2.5. 8.1. 8.2. 8.3 and 8.4	L	N/A	L	N/A	L	L	L	=	No change
Disposal of replaced appliances and equipment containing hazardous waste	Outcome 1 & 2. Outputs 2.5. 8.1. 8.2. 8.3 and 8.4	M	M	L	L	L	L	L	=	No change
Additional risks identified in the 2019 PIR: As far as UNEP's share of the GEF funding is concerned. As far as UNEP's share of the GEF funding is concerned. EESL is	Overall	N/A	M	M	L	H	M	M	=	No change

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
experiencing a very low expenditure rate compared to the planned budget since the beginning of project implementation. On the other hand, the rate of expenditures on PMC is very high compared to the substantive project components. There is a concern (1) that projected budget is disconnected from implementation needs and (2) that EESL may run out of PMC funds before the end of the project (technical completion). There is also need for increasing the understanding of the UNEP-GEF budget preparation and utilization process. Further, the EESL support teams need capacity building on using the GEF resources in agreed manner to increase the effectiveness.										
The Overall economic slowdown could affect the uptake of energy efficiency technologies in the Market.	Overall	N/A	L	M	M	L	L	L	=	No change
Additional risks identified in the 2020 PIR: The current challenge is caused by COVID-19. The pandemic has impacted the on-groundwork due to limitation on movement. This has affected the implementation of demonstration projects.	Overall	N/A	N/A	M	M	L	N/A	N/A	=	No change
Additional risks identified in the 2022 PIR: Slowing of decision making due to significant changes in Senior management	Overall	N/A	N/A	N/A	N/A	H	M	M	↑	No change

Risks	Risk affecting: Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	Current PIR	Δ	Justification
and the Board.										
Additional risks identified in the 2023 PIR: Inadequate capacity and lack of support system for effective project execution leading to less than optimum budget utilization and implementation time delays (linked with the risks listed in Table 4.1)	Overall	N/A	N/A	N/A	N/A	N/A	H	S	↓	The risk has reduced but still remains significant, as the Budget utilization has increased compared to Y2023, however, more time period is required to complete all the planned activities according to the work plan.
		N/A	L	M	H	H	H	M	↓	

4.3 Table C. Outstanding Moderate, Significant, and High risks

Additional mitigation measures for the next periods

Risk	Actions decided during the previous reporting instance (PIRt-1, MTR, etc.)	Actions effectively undertaken this reporting period	What	When	By Whom
Inadequate capacity and lack of support system for effective project execution leading to less than optimum budget utilization and implementation time delays (linked with the risks listed in Table 4.1)	Appointment of Co-EA to oversee faster procurement of services and better execution	The Co-EA has assisted in covering significant number of activities. While expenditure levels have increased, it has not fully commensurate with the project timeline. Further, EESL procurement issue still persists atleast for a major study (Carbon markets framework for EESL programs)	EESL to transfer the long pending studies procurement to IIEC. IIEC to expedite project execution Extending project timelines	By August 2025 By September 2025	EESL IIEC UNEP

High Risk (H): There is a probability of greater than 75% that assumptions may fail to hold or materialize, and/or the project may face high risks. Significant Risk (S): There is a probability of between 51% and 75% that assumptions may fail to hold and/or the project may face substantial risks. Moderate Risk (M): There is a probability of between 26% and 50% that assumptions may fail to hold or materialize, and/or the project may face only modest risks. Low Risk (L): There is a probability of up to 25% that assumptions may fail to hold or materialize, and/or the project may face only modest risks.

5 Amendment - GeoSpatial

Project Minor Amendments

Minor amendments are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5% as described in Annex 9 of the Project and Program Cycle Policy Guidelines. Please tick each category for which a change occurred in the fiscal year of reporting and provide a description of the change that occurred in the textbox. You may attach supporting document as appropriate

5.1 Table A: Listing of all Minor Amendment (TM)

Minor Amendments	Changes
Results Framework:	No
Components and Cost:	No
Institutional and implementation arrangements:	No
Financial Management:	No
Implementation Schedule:	
Executing Entity:	No
Executing Entity Category:	No
Minor project objective change:	No
Safeguards:	No
Risk analysis:	No
Increase of GEF financing up to 5%:	No
Location of project activity:	No
Other:	No

Minor amendments

5.2 Table B: History of project revisions and/or extensions (TM)

Version	Type	Signed/Approved by UNEP	Entry Into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision

Version	Type	Signed/Approved by UNEP	Entry Into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
Original Legal Instrument		2017-12-15	2018-01-18	2022-12-31	
Revision 1	Revision	2019-07-29	2019-07-29	2022-12-31	Work plan and budget plan were revised to reflect the changes in the technologies supported under component 2 of the project
Revision 2	Revision	2022-06-28	2022-06-28	2022-12-31	- Work plan and budget plan have been revised based on the MTR recommendations and subsequent PSC decisions. These mainly included consideration of additional technologies to be supported under the component 2 of the project - Further, outputs and activities under component 1 have been aligned with component 2 and 3 to have better synergy and orientation.
Revision 3		2023-12-06	2023-12-06	2025-12-31	Program execution modality change. Appointment of Co-Executing Agency

Version	Type	Signed/Approved by UNEP	Entry Into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
					(Technical) for faster procurement of services and better execution.

GEO Location Information:

The Location Name, Latitude and Longitude are required fields insofar as an Agency chooses to enter a project location under the set format. The Geo Name ID is required in instances where the location is not exact, such as in the case of a city, as opposed to the exact site of a physical infrastructure. The Location & Activity Description fields are optional. Project longitude and latitude must follow the Decimal Degrees WGS84 format and Agencies are encouraged to use at least four decimal points for greater accuracy. Users may add as many locations as appropriate. Web mapping applications such as OpenStreetMap or GeoNames use this format. Consider using a conversion tool as needed, such as: <https://coordinates-converter.com> Please see the Geocoding User Guide by clicking here

Location Name	Latitude	Longitude	GEO Name ID	Location Description	Activity Description
India	22	79	1269750		

Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate. *

[Annex any linked geospatial file]

Additional Supporting Documents:

Filename	File Uploaded By	File Uploaded At	
Report- Stakeholder Consultation Delhi.pdf	Executing Agency	2025-09-10 11:25:45	Download
Report-EESL-IIEC-FICCI-Workshop-Bangalore (003) (1).pdf	Executing Agency	2025-09-10 11:25:25	Download
Report-Workshop-Delhi IIEC & EESL.pdf	Executing Agency	2025-09-10 11:22:46	Download