

**QUARTERLY COMPILATION OF PROGRESS REPORT UNDER NATIONAL ACTION PLAN ON CLIMATE CHANGE**

**NAME OF THE MISSION: National Mission for Enhanced Energy Efficiency**

**QUARTER PERIOD – July 2022 – September 2022**

S.N.	Activities / Mission deliverables	Implementing Agency	Overall Target for Mission Period July 2022-September 2022	Quarter-wise Target/Achievement during July 2022-September 2022		Cumulative/ Overall Achievement during July 2022-September 2022	Remarks
				Quarter 2			
				Target	Achievement		
1	Implementation of Perform Achieve and Trade (PAT) scheme	Bureau of Energy Efficiency	Energy Saving of 1.21 MTOE is envisaged to be accrued from PAT cycle –IV and V.	Assessment of Energy Savings under PAT cycle – IV and V	Monitoring & Verification (M&V) of PAT Cycle IV and V has been completed. M&V reports have been received from 143 DCs, scrutiny of the same is under process.	Energy Saving of 1.21 MTOE is envisaged to be accrued from PAT cycle –IV and V.	
1(a)				Notification of Designated Consumers under PAT	<ol style="list-style-type: none"> <li>Notification for 198 Designated Consumers under PAT scheme for the period 2022-2025 has been notified vide S.O. 4552 (E) dated 26<sup>th</sup> September 2022.</li> <li>Central Government, in consultation with the Bureau of Energy Efficiency, has amended S.O. 394(E) and notified the minimum yearly energy consumption for Petrochemical manufacturing units wide S.O. 4165 (E) dated 7th September 2022.</li> </ol>		

1(b)				Feasibility study – Phase 2	Feasibility Study for Net Zero Carbon Emission of Indian Railways at 5 Railway Installations has been initiated.		
1(c)				Baseline Data Collection and Process Verification Audit	<p>1. Baseline Data Collection and Process Verification Audit in sectors namely Petrochemical Manufacturing units, Textile, Cement and Iron &amp; Steel under PAT Scheme has been initiated.</p> <p>2. Baseline data collection and process verification audit in 60 DISCOMs has been completed.</p>		
1(d)				Amendment to PAT Rules	<p>The following amendments have been carried out in PAT Rules in August 2022:</p> <p>1. Floor price of ESCerts trading has been notified.</p> <p>2. Life of ESCerts has been made perpetual through the amendment in PAT Rules.</p>		
1(e)				Development of National Carbon market in India.	BEE has established a PMU for development of Carbon Market in India. Draft policy document for stakeholder consultation has been developed by the PMU. The draft policy document has been shared with MoEFCC in September 2022.		

1(f)				Energy Mapping in Thermal Power Plants	MoU has been signed with 24 Thermal Power Plants for carrying out energy mapping exercise and the same is expected to be completed by February 2023.		
1(g)				Adoption of ISO 50001:2018 standards	Adoption of ISO 50001:2018 in 21 identified industries under PAT scheme has been initiated in September 2022.		
1(h)				Check – Verification of Designated Consumers	Check verification in 13 Designated Consumers of PAT cycle –III under various sectors has been completed.		
1(i)				Support to State Designated Agencies (SDAs) for implementation of PAT scheme.	PAT cells to undertake the activities under PAT scheme have been established in 27 states and UTs.		
1(j)				Training /Capacity Building and stakeholder consultations	1.A training workshop was organized at IIT Guwahati on providing handholding/support to DISCOMs in North East towards compliance of Energy Audit Regulations for DISCOMs.  2.Stakeholder consultation meeting with IIT Roorkee on R&D projects for Iron & Steel and Pulp & Paper Sectors.		

				Training /Capacity Building and stakeholder consultations	3.Meeting with stakeholders was held to discuss the final report on the study 'Switchover to Grid from Coal Based Captive Generation and Fossil Fuel Based Industrial Processes'.		
					4.10 stakeholder meeting with DC conducted for PAT cycle –III DCs to determine price of MTOE for PAT cycle –III.		
					5.Three workshops have been organized with more than 200 participants for capacity building of PAT cells and DCs of Haryana, Maharashtra and Assam.		
1(j)					6.Five capacity building workshops for Empanelled Accredited Energy Auditor firms, State Designated Agencies and BEE officials were held on Electricity Act, National Electricity Policy, National Tariff Policy and electricity transmission & distribution.		
					7.Three capacity building workshops for DCs on Waste Heat Recovery systems were held in July, August and September 2022.		

2	Financing	2 grading agencies	Grading of Energy Efficiency Projects	To grade Energy Efficiency projects	<p>1) BEE is in process of empaneling 2 grading agencies i.e. Crisil and SMERA</p> <p>2) 21 Banks/NBFCs have been registered for taking benefit of grading of EE projects on facilitation Centre.</p> <p>Recently, interest from FI/industries has been received for grading of 2 projects.</p>	<p>1. Grading of Energy Efficiency project launched in September 2021.</p> <p>2. 3 stakeholder meetings were organized in November 2021 and since June 2022 BEE has conducted 8 awareness workshops and 3 investment bazaar events where information of grading programme was disseminated.</p> <p>3. Interest from FI/industries has been received for grading of 2 projects.</p>	
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3	Energy Efficiency Financing Facility – to set up Facilitation Centre	BEE	<p>1.To establish IT platform of Facilitation centre</p> <p>2. To forward 175 EE projects to FIs till April 2023</p>	<p>1. To create IT platform and take inputs of FIs and industries</p> <p>To forward 25 EE projects to FIs for financing</p>	<p>1. BEE signed contract with Darashaw and Company Ltd for setting up the facilitation center</p> <p>2. IT platform has been created and demo runs have been carried out. Sub-domain name has been created for this platform.</p> <p>3. Till date 21 FIs have been registered with Facilitation centre</p> <p>4. 57 willingness forms have been received and out of that 25 EE projects have been forwarded to FIs for financing</p> <p>5. BEE has released list of 76 EE technologies for financing in September 2022.</p> <p>6. 8 webinars have been conducted where more than 700 participants from SDAs, large industries, MSMEs, ESCOs participated.</p>	<p>1. Till date 21 FIs have been registered with Facilitation centre</p> <p>2. 57 willingness forms have been received and out of that 25 EE projects have been forwarded to FIs for financing</p> <p>3. BEE has released list of 76 EE technologies for financing in September 2022.</p> <p>4. 8 webinars have been conducted where more than 700 participants from SDAs, large industries, MSMEs, ESCOs participated.</p>	
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**Brief Status Update on National Mission under National Action Plan on Climate Change (NAPCC)**

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S.N.	PARTICULARS	REMARKS
1.	<b>Name of National Mission</b>	National Mission for Enhanced Energy Efficiency (NMEEE)
2.	<b>Nodal Ministry / Departments</b>	Ministry of Power, Bureau of Energy Efficiency
3.	<b>Date of Inception / Date of Revision</b>	Date of Inception: 24 <sup>th</sup> August 2009 (In principle approval by PMCCC)  Date of Revision: 1 <sup>st</sup> September 2021
4.	<b>Major Components of the updated / revised Mission</b>	<ul style="list-style-type: none"> <li>• Industries energy efficiency program</li> <li>• Equipment &amp; Appliances efficiency program</li> <li>• Buildings efficiency program</li> <li>• Demand Side Management and data analytics</li> <li>• Sustainable Transportation Network</li> <li>• Carbon Trading Scheme for Energy Sector</li> <li>• Strategies for Capacity Building and Awareness on Energy Efficiency</li> <li>• Fiscal Instruments and Incentives for Low Carbon Growth</li> <li>• Research &amp; Development and Innovation</li> </ul>
5.	<b>Proposed Duration for Revised Mission</b>	2020-21 to 2030-31
6.	<b>Budget Allocation</b>	Central Grant of INR 167 Crores for the period 2021-22 to 2025-26 for NMEEE activities
7.	<b>Implementation Status</b>	Perform, Achieve and Trade scheme is under implementation since 2012. Seven cycles of PAT have been notified covering 13 energy intensive sectors.
8.	<b>Latest Achievements</b>	<ul style="list-style-type: none"> <li>• Energy Savings of 22.75 MTOE has been achieved from implementation of PAT cycle – I and II which is about 3.8% of India's total final energy consumption (2018-19). The energy saving has resulted in emission reduction of about 99.43 million tonnes of</li> </ul>

		<p>CO<sub>2</sub> which is about 3.5% of India's emissions.</p> <ul style="list-style-type: none"> <li>• PAT cycle –VII has been notified with effect from 1<sup>st</sup> April 2022.</li> <li>• In order to promote energy efficiency financing, more than 55 energy efficiency projects have been identified with total investment requirement of more than Rs. 1000 Crores under Facilitation Centre.</li> <li>• BEE has released list of 76 Energy Efficiency technologies for financing (Phase 1)</li> </ul>
9.	<b>Financial Progress</b>	An expenditure of Rs. 259.87 Crores has been incurred since inception till March 31, 2022 for implementation of NMEEE.
10.	<b>Any Additional Components Proposed for Revision</b>	NIL
11.	<b>Any Budget Requirements</b>	NIL