

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

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

**QUARTER PERIOD – January 2023 – March 2023**

S.N.	Activities / Mission deliverables	Implementing Agency	Overall Target for Mission Period January 2023 – March 2023	Quarter-wise Target/Achievement during January 2023 – March 2023		Cumulative/ Overall Achievement during January 2023 – March 2023	Remarks
				Quarter 4			
				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 M&V reports has been completed and finalization of evaluation is under process. Initial estimates indicate a cumulative saving of about 1.28 MTOE from sectors namely Cement, Iron & Steel, Thermal Power Plants and Textile.	Energy Saving of 1.21 MTOE is envisaged to be accrued from PAT cycle –IV and V.	
1(a)				Notification of targets for PAT cycle -VIII	PAT targets for PAT Cycle VIII has been proposed to MoP for notifying 138 nos. of DCs comprising of Cement, Iron and Steel, Pulp and Paper, Textile and Chlor-Alkali sector.		

1(b)				Widening of PAT Scheme	In order to widen the scope of the PAT scheme, a proposal for notification of Annual Sectoral Energy Threshold level (Toe/annum) for new sectors namely Sugar, Chemicals , Cermaic, Zinc, Copper, Glass, Port Trust, Dairy, Automobile Assembling Unit, Tyre manufacturers, Forging, Foundry and Refractories was submitted to Ministry of Power. The proposal has been forwarded by Ministry of Power to Ministry of Law for consideration.		
1(c)				Baseline Data Collection and Process Verification Audit	Baseline Data Collection and Process Verification Audit in sectors namely Petrochemical Manufacturing units, Textile, Cement and Iron & Steel under PAT Scheme has been completed.		
1 (d)				Trading for PAT cycle -II	The trading for PAT cycle –II was resumed on 14th February 2023. A total of 7.3 lakh ESCerts has been traded in 11 trading sessions resulting in a business of around Rs. 90 crores so far.		
1(e)				Annual Energy Audit in DISCOMs	Annual Energy Audit in DISCOMs of Union Territories and North Eastern States as per regulations and its amendments has been initiated		

1(f)				Normalization study for Designated Consumers (DCs) of Indian Railways	Study on identification and formulating methodology for Normalization parameters for DCs of Indian Railways has been initiated.	
1(g)				Constitution of Sectoral Advisory Group for identification of low carbon and energy efficiency technologies.	Sectoral Advisory Groups (SAGs) for eight sectors under PAT scheme have been formulated. Several meetings of the SAGs for sectors namely Iron & Steel, Cement, Pulp & Paper, Textile, Aluminum have been convened between January – March 2023.	
1(h)				Development of National Carbon market in India.	The draft notification for Carbon Credit Trading Scheme has been submitted to Ministry of Power.	
1(i)				Energy Mapping in Thermal Power Plants	MoUs were signed with 25 Thermal Power Plants for carrying out energy mapping exercise. Report of 15 TPPs has been scrutinized and observation has also been shared with agencies to be incorporated in final reports. Draft report of rest 10 TPPs received last week and are under scrutiny.	
1(j)				Adoption of ISO 50001:2018 standards	Adoption of ISO 50001:2018 has been started in 11 identified industries. Management meeting and awareness activities has been completed so far. ISO 50001:2018 documentation work is under process.	

1(k)				Check – Verification of Designated Consumers	Check verification process for 14 Designated Consumers of PAT cycle – IV and V under various sectors has been initiated.		
1(l)				Training /Capacity Building and stakeholder consultations	<ul style="list-style-type: none"> <li>• Site visit to Udaipur Cement Works Ltd was conducted on 14 &amp; 15th march 2023 under I-Deeksha Platform where best practices related to energy efficiency and solar energy were shared to the cement DCs.</li> <li>• Training workshop organized for Accredited Energy Auditing Firms on 16.3.2023 on Guidelines/SoP issued for Auditors to carry out annual energy audit in DISCOMs.</li> </ul>		
1(m)				Technical Committee Meetings	In order to finalize targets for DCs to be notified under PAT cycle –VIII, technical committee meetings were held for sectors namely Thermal Power Plants, Cement, Iron and Steel, Pulp and Paper, Textile and Chlor-Alkali sector.		
1(n)				Technology Deployment under DEEP project	Signing and exchange of MoU between EESL and DCs for technology deployment under DEEP Projects was held on 1 <sup>st</sup> March 2023.		

1(o)				Launch of I-Deeksha portal	Under the ASPIRE program, I-Deeksha portal was launched on 1 <sup>st</sup> March 2023 to disseminate the best practices in energy intensive sectors.		
2	Financing	Two grading agencies	Grading of Energy Efficiency Projects	To grade Energy Efficiency projects	<p>1) BEE has empaneled CRISIL and SMERA in Nov 2022</p> <p>2) BEE had signed MoA with IREDA and YES Bank in 2021. SIDBI also signed MoA in Feb 2023.</p> <p>3) 22 Banks/NBFCs may take benefit of grading of EE projects, who are also registered on BEE's facilitation Centre.</p> <p>4) In 3 workshops these Grading Agencies interacted with stakeholders.</p> <p>Recently, interest from FI/industries has been received for grading of approx. 8 projects.</p>	<p>1. Grading of Energy Efficiency project launched in September 2021.</p> <p>2. Interest from FI/industries has been received for grading of approx. 8 projects.</p> <p>3. BEE has given in-principle approval to SMERA for preparing a grading report for ESCO project.</p>	

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>2. To forward 50 EE projects to FIs for financing.</p>	<p>1. Against target of 50 projects in this quarter 50 projects were forwarded to FIs and in total there were 110 Technical reports that were forwarded to FIs.</p> <p>2. IT platform of BEE's Facilitation centre has been launched in November 2022.</p> <p>3. Till date 22 FIs have been registered with Facilitation centre</p> <p>4. 6 EE projects have been financed by FIs</p> <p>5. BEE has released list of 151 EE technologies for financing till March 2023.</p> <p>6. In Q3, three webinars/workshops were organized where 250 participants from SDAs, large industries, MSMEs, ESCOs participated.</p>	<p>1. BEE appointed Darashaw and Company Ltd for setting up the facilitation center</p> <p>2. Till date 22 FIs have been registered with Facilitation centre</p> <p>3. More than 200 willingness forms have been received with project size more than Rs. 3000 crore and out of that 110 EE projects have been forwarded to FIs for financing</p> <p>4. BEE has released list of 151 EE technologies for financing till March 2023.</p> <p>5. Total 11 webinars/ workshops have been conducted where more than 1100 participants from SDAs, large industries, MSMEs, ESCOs participated.</p>	
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