

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

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

**QUARTER PERIOD – April 2020-March 2021**

S. N.	Activities / Mission deliverables	Implementing Agency	Overall Target for Mission Period April 2020-March 2021	Quarter-wise Target / Achievement during April 2020 – March 2021								Cumulative / Overall Achieve – ment during April 2020 - Dec 2020	Remarks
				Quarter 1		Quarter 2		Quarter 3		Quarter 4			
				Target	Achieve-ment	Target	Achieve-ment	Target	Achieve-ment	Target	Achieve-ment		
1	Implementation of Perform Achieve and Trade (PAT) scheme	Bureau of Energy Efficiency	Energy Savings Target: 23 Million Tonnes of Oil Equivalent (MTOE)	Assessment of savings from implementation of PAT cycle -II	Implementation of PAT cycle –II has resulted into energy savings of about 14.08 Million Tonne of Oil Equivalent (MTOE) and corresponding CO2 emission reduction of about 70 million tonnes	Sample verification of DCs under PAT cycle –II	Sample verification in the first phase for 36 nos. of DCs of PAT cycle –II was completed by BEE	Demonstration of Energy Management System for PAT Sectors.	Multimedia tutorials for demonstration of Energy Management Systems for PAT sectors have been developed by BEE.	Release of User manuals for PAT scheme	The User Manuals developed of PAT scheme developed by BEE for key stakeholders was released by the Hon'ble Minister on 1 <sup>st</sup> March 2021	Total Energy savings of about 22 MTOE has been achieved with implementation of PAT cycle –I and PAT cycle –II translating into avoiding of about 70 million tonnes of CO <sub>2</sub> emission.	
				Commencement of PAT cycle -VI	PAT Cycle –VI has commenced from April 2020 in which 135 DCs have been notified with an overall energy saving target of 1.277 MTOE.	Development of User Manuals for PAT scheme	The work for development of user manuals for PAT scheme was initiated	Initiation of the work of conducting Potential Assessment Study	In order to assess the energy saving potential in the old DCs under PAT scheme, RfP for engagement of agency for conducting the same in the sectors namely Cement, Pulp & Paper, Textile, Chlor Alkali and Aluminum was initiated.	Release of Outcome report of PAT cycle - II	The outcome report of PAT cycle –II was released by the Hon'ble Minister on 1 <sup>st</sup> March 2021		

				Monitoring & Verification of DCs under PAT cycle -III	PAT cycle –III that commenced from 1 <sup>st</sup> April 2017 for a period of 3 years was completed on 31 <sup>st</sup> March 2020. The process of Monitoring & Verification was commenced thereafter.	Development of report on outcomes of PAT cycle -II	The work for development of report on outcomes of PAT cycle – II was initiated	Trainings and webinars	Webinars conducted for training of DCs of Petrochemicals and Refinery sector, dissemination of EC guidelines and improving energy management	Issuance of Energy Saving Certificates to DCs of PAT cycle - II	Issuance of Energy Saving Certificates to the Designated Consumers of PAT cycle –II is under process at Ministry of Power.		
				Webinars for Capacity building of DCs/SDAs and AEAs	Around 8 webinars were conducted by BEE for handholding of DCs with respect to PAT scheme	Webinars for Capacity building of DCs/SDAs and AEAs	Webinars were conducted by BEE for handholding of DCs with respect to PAT scheme	Training of officials from POSOCO on PATNet portal	Trainings of officials from POSOCO were conducted on the re-developed PATNet portal by BEE	Potential assessment study of old DCs under PAT scheme	Potential assessment study in sectors namely Cement, Pulp & Paper, Textile and Chlor Alkali has been completed by BEE		
				Shifting of DCs from old PATNet to new PATNet portal	More than 500 DCs shifted from old PATNet to new PATNet portal	Development of DCRM for trading of ESCerts	D-CRM for CERC, POSOCO and Power exchanges were prepared	Training of officials from POSOCO on PATNet portal	Trainings of officials from POSOCO, CERC and Power exchange was completed and a mockdrill was done successfully.	Webinars for capacity building of DCs on trading of ESCerts	Till date, 8 webinars have been conducted for more than 600 DCs from approx. 12 states.	Operationalization of new PATNet portal and capacity building of all stakeholders	New PATNet portal and new CRM have been successfully developed. Capacity building of CERC, POSOCO, IEX, PXIL and 600 DCs have been completed.
						Training of officials from POSOCO and CERC on	Officials from POSOCO and CERC were provided	Capacity building of SDAs/DCs on PATNet portal	Three Virtual capacity building programme for SDAs and DCs were conducted by BEE for	Base line Data verification Audit	Baseline data verification on audit in railway and DISCOM sectors has been initiated		

						PATNet portal	training on the re-developed PATNet portal by BEE		handholding on PATNet portal				
						Promoting strategies for WHR systems in energy intensive sectors	BEE has prepared draft report for consideration of Waste Heat Recovery as Renewable Energy and providing certain fiscal incentives. The report was submitted to Ministry of Power in this regard.			Study for Assessment of various Industrial sectors of economy to meet the NDC targets	BEE had engaged an agency for carrying out the said study. The same is under progress.		
										Webinar on Dissemination of Energy Conservation Guidelines and Energy Management Manual for Indian Industries	Webinar held on 15th February 2021 with DCs from eastern region. Energy Conservation Center Japan (ECCJ), BEE and TERI explained the EC Guidelines and EM Manual application to DCs and SDAs during the webinar.		
										Sample Verification of DCs under PAT cycle -II	In the phase II, of Sample verification for 26 nos. of DCs of PAT cycle -II was completed by BEE		

										Capacity building of SDAs/DCs on PATNet portal	Virtual capacity building programme for SDAs and DCs were conducted by BEE for handholding on PATNet portal		
2	Energy Efficiency Financing	Bureau of Energy Efficiency	Awareness for EE financing	Web based meetings with stakeholders	4 meetings took place with stakeholders	Web based meetings with stakeholders	4 meetings took place with stakeholders	Web based meetings with stakeholders	3 meetings took place with stakeholders	<ol style="list-style-type: none"> <li>1. Web based meetings with stakeholders</li> <li>2. Open tendering for initiating FIs training programme</li> <li>3. Grading of EE projects</li> </ol>	<ol style="list-style-type: none"> <li>1. 4 meetings with stakeholders</li> <li>2. RfP floated for hiring Agency to initiate Financial Institutions (FIs) training programme</li> <li>3. RfP floated for empaneling grading agencies and EoI floated for empaneling FIs for reimbursement of grading cost under this programme</li> </ol>	<ol style="list-style-type: none"> <li>1. Awareness programme</li> <li>2. FIs capacity building programme</li> <li>3. Grading of EE projects</li> </ol>	<ol style="list-style-type: none"> <li>1. 15 meetings with stakeholders on EE financing</li> <li>2. Tendering process initiated for capacity building of FIs</li> <li>3. Tendering process initiated for empaneling grading agency and FIs under Grading programme for EE loans.</li> </ol>