

No. 32/33/2024-SPV Division

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)

Atal Akshay Urja Bhawan,  
Lodi Road, New Delhi – 110003

Date: 14<sup>th</sup> February, 2025

**OFFICE MEMORANDUM**

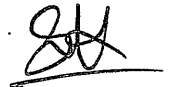
**Sub: Request for Comments on Draft Amendment to ALMM Order regarding reduction of module efficiency thresholds for off-grid projects/ applications like solar lamps, solar lights, solar street lights, solar fans, etc. other than solar powered agricultural pumps and solar PV rooftops, requiring individual capacity of each solar PV module deployed, to be of less than 200 Watt peak.**

1. Reference is invited to the 'Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019' issued by MNRE on 02.01.2019 and various clarifications / amendments thereto issued from time to time along with the Procedural Guidelines dated 28.03.2019 including clarifications / amendments thereto, issued under the subject Order.

2. The provisions under para 1.5 of MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt. dated 10.05.2023, subsequently amended vide MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt. dated 22.03.2024, prescribe minimum threshold efficiency for ALMM enlistment of solar PV modules, for different categories, as follows:

Category	Application/ Use	Minimum Module Efficiency required to be eligible for enlistment in ALMM for solar PV modules	
		For crystalline-silicon technology based Solar PV Modules	For Cadmium Telluride Thin Film technology based solar PV Modules
Category-I	Utility/ Grid Scale Power Plants	20.0%	19.00%
Category-II	Rooftop and Solar Pumping	19.5%	18.50%
Category-III	Solar Lighting	19.0%	18.00%

3. MNRE has received several representations regarding lowering the module efficiency thresholds for off-grid projects like solar lamps, solar lights, solar street lights, solar fans, etc. other than solar powered agricultural pumps and solar PV rooftops.



4. Accordingly, it is proposed to amend the aforesaid module efficiency thresholds for ALMM enlistment as follows:

Category	Application/Use	Minimum Module Efficiency required to be eligible for enlistment in ALMM for solar PV modules	
		For c-Si technology based solar PV modules	For CdTe thin film technology based solar PV modules
Category-I	Utility/Grid Scale Power Plants	20.00%	19.00%
Category-II	Rooftop and Solar Pumping	19.50%	18.50%
Category-III	Off-grid projects/applications like solar lamps, solar lights, solar street lights, solar fans, etc. (other than solar powered agricultural pumps and solar PV rooftops) requiring individual capacity of each solar PV module deployed, to be of less than 200 Watt peak	18.00%	18.00%
		(not to be included in main ALMM List-I but to be included in a separate ALMM list called ALMM List-I (DRE))	
Category-IV	Any other application	19.00%	18.00%

5. MNRE seeks views / comments / suggestions on the aforesaid draft amendment to ALMM Order.

6. Views / comments / suggestions on the aforesaid draft amendment to ALMM Order may be sent latest by 1<sup>st</sup> March 2025 by email to the undersigned at [karndhar.sg@nic.in](mailto:karndhar.sg@nic.in)



(Sanjay G. Karndhar)  
Scientist-E  
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**To: All concerned**

Copy to: Director (Technical), NIC, MNRE, for uploading on MNRE Website