

F. No. 283/41/2024-GRID SOLAR

भारत सरकार / Government of India

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

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003.

Dated: 6th January, 2025

OFFICE MEMORANDUM

Sub: Updation of List I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 – Reg.

- Ref:** (i) MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 10.03.2021
(ii) MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt dated 10.05.2023;
(iii) MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt dated 22.03.2024;

Reference is invited to this Ministry's O.M.s of even no. dated 10.03.2021, regarding implementation of Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019 and publishing List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019.

2. This Ministry vide its O.M. No. 283/22/2023-GRID SOLAR/Pt dated 10.05.2023 and O.M. of even no. dated 22.03.2024 inter-alia directed that only such models of Solar PV Module Manufacturers will be enlisted under ALMM, which comply with the BIS Standards and are having the following minimum module efficiency:

Category	Application/ Use	Minimum Module Efficiency requirement for crystalline-Silicon technology based Solar PV Modules	Minimum Module Efficiency requirement 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. Post the O.M. dated 10.05.2023 and subsequent O.M. dated 22.03.2024, only such models of Solar PV Modules have been considered for enlistment under ALMM List-I, whose module efficiency is meeting the eligibility criteria as mentioned in table at para-2 above.

4. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 was last updated on 26.12.2024.

5. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is hereby further revised and the Revision-XXXIII of same is enclosed at Annexure-I. The details of provisional enlistments granted by MNRE in ALMM List-I are at pages after Annexure-I.

6. The ALMM enlistment validity is subject to valid BIS Registration; else deemed to be delisted.

7. The details of Registration No. (R. No.) which has been allotted by BIS is mentioned against each manufacturer / manufacturing unit enlisted in ALMM and further details related to BIS certification like validity, models included, etc. may be checked from BIS website by using the following link:
https://www.crsbis.in/BIS/Lims_registrationc.do?hmode=getLimsData

8. This issues with the approval of competent authority.

(Sanjay G. Karndhar)

Scientist-E

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Encl: as above

To: All Concerned

Copy to: Director (Technical), NIC, MNRE for uploading this document on MNRE's website

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	BIS Registration No.	Enlisted Capacity (MWs / Year)	S. No.	Type of Module	Applied Model	Enlisted Models	Module Efficiency (%)	No. of Cells in Module	System Voltage (in Volt)	Validity													
												From	To (subject to valid BIS Registration; else deemed to be delisted)												
66	M/s. Mundra Solar PV Limited	Survey No 180P, Co Mundra Solar Technopark Pvt. Ltd, Electronic manufacturing Cluster EMC, Village Vandh & Tunda, mundra, Kutch Adani Ports & SEZ, Tunda, Kachchh - 370435, Gujarat	R-72008532	1942	i	Mono c-Si PERC Modules	ASM-M10-144-523 (523Wp)	ASM-M10-144-500	19.47	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028												
								ASM-M10-144-501	19.51																
								ASM-M10-144-502	19.55																
								ASM-M10-144-503	19.59																
								ASM-M10-144-504	19.63																
								ASM-M10-144-505	19.67																
								ASM-M10-144-506	19.7																
								ASM-M10-144-507	19.74																
								ASM-M10-144-508	19.78																
								ASM-M10-144-509	19.82																
								ASM-M10-144-510	19.86																
								ASM-M10-144-511	19.9																
								ASM-M10-144-512	19.94																
								ASM-M10-144-513	19.98																
								ASM-M10-144-514	20.02																
								ASM-M10-144-515	20.05																
								ASM-M10-144-516	20.09																
								ASM-M10-144-517	20.13																
								ASM-M10-144-518	20.17																
								ASM-M10-144-519	20.21																
								ASM-M10-144-520	20.25																
								ASM-M10-144-521	20.29																
								ASM-M10-144-522	20.33																
								ASM-M10-144-523	20.37																
								ASM-M10-144-524	20.41																
								ASM-M10-144-525	20.44																
								ASM-M10-144-526	20.48																
								ASM-M10-144-527	20.52																
								ASM-M10-144-528	20.56																
								ASM-M10-144-529	20.6																
								ASM-M10-144-530	20.64																
								ASM-M10-144-531	20.68																
								ASM-M10-144-532	20.72																
								ASM-M10-144-533	20.76																
								ASM-M10-144-534	20.8																
								ASM-M10-144-535	20.83																
								ASM-M10-144-536	20.87																
								ASM-M10-144-537	20.91																
								ASM-M10-144-538	20.95																
								ASM-M10-144-539	20.99																
								ASM-M10-144-540	21.03																
								ASM-M10-144-541	21.07																
								ASM-M10-144-542	21.11																
								ASM-M10-144-543	21.15																
								ASM-M10-144-544	21.18																
								ASM-M10-144-545	21.22																
																	ii	Bifacial c-Si PERC Modules	ASB-M10-144-548 (548Wp)	ASB-M10-144-520	20.25	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								ASB-M10-144-521	20.29																
								ASB-M10-144-522	20.33																
								ASB-M10-144-523	20.37																
								ASB-M10-144-524	20.41																
								ASB-M10-144-525	20.44																
ASB-M10-144-526	20.48																								
ASB-M10-144-527	20.52																								
ASB-M10-144-528	20.56																								
ASB-M10-144-529	20.6																								
ASB-M10-144-530	20.64																								
ASB-M10-144-531	20.68																								
ASB-M10-144-532	20.72																								
ASB-M10-144-533	20.76																								
ASB-M10-144-534	20.8																								
ASB-M10-144-535	20.83																								
ASB-M10-144-536	20.87																								
ASB-M10-144-537	20.91																								
ASB-M10-144-538	20.95																								
ASB-M10-144-539	20.99																								
ASB-M10-144-540	21.03																								
ASB-M10-144-541	21.07																								
ASB-M10-144-542	21.11																								
ASB-M10-144-543	21.15																								
ASB-M10-144-544	21.18																								
ASB-M10-144-545	21.22																								

