F. No. 283/51/2025-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: 24th November, 2025

OFFICE MEMORANDUM

Sub: Publishing 2nd Revision of ALMM (Approved List of Models & Manufacturers) LIST-II (for Solar PV Cells) – Reg.

Ref:

i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 02.01.2019, regarding ALMM Order and subsequent amendments and clarifications thereto;
ii. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 28.03.2019, regarding Guidelines for enlistment under ALMM and subsequent amendments and clarifications thereto;
iii. MNRE's O.M. No. 283/59/2024-GRID SOLAR/Pt dated 09.12.2024 regarding amendment to ALMM order, for implementation of ALMM for Solar PV Cells
iv. Amendment dated 28.07.2025 to O.M. dated 09.12.2024 referred above

1. In accordance with above referred O.M.s, Ministry of New & Renewable Energy (MNRE) vide its O.M. of even no. dated 31.07.2025, issued ALMM List-II for Solar PV Cells. Now, MNRE, hereby issues the Second Revision of the ALMM List-II for Solar PV Cells, which is at Annexure-I.

2. This issues with the approval of competent authority.

(Sanjay G. Karndhar)
Scientist-E
E-mail: karndhar.sg@nic.in

Encl: as above

To: All Concerned

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

Annexure-I

Revision-2

New additions on 24/11/2025 in ALMM List-II for Solar PV Cells									
S. No.	**Name of the Manufacturer**	**Location of Manufacturing Facility**	**Enlisted Capacity (MWs / Year)**	**Type of Solar Cell**	**Enlisted Models**	**Average Solar Cell Efficiency (%) and Wattage (Wp)**	**Range of Efficiency (%) and Wattage (Wp)# [Min-Max]**	**Validity**	
								From	**To**
1	**M/s Websol Energy System Limited**	**Sector - II, Falta Special Economic Zone, Falta, 24 Parganas (South) , Pin - 743504,West Bengal, India**	**602**	Mono Crystalline PERC (Bifacial), P-Type Bifacial: Dimension - 182.2mm×182.2mm, 182.2mm×183.75mm,10BB, PID Free##	WS182MP10 (WS182MP10R)	23.16%	19.00% to 23.60 %	24.11.2025	23.11.2029
						7.66W	6.29W to 7.88W		

 # Solar Cell Efficiency and Wattage range are as claimed by manufacturer

PID is as claimed by manufacturer.

F. No. 283/51/2025-GRID SOLAR
भारत सरकार / Government of India
नवीन और नवीकरणीय ऊर्जा मंत्रालय / **Ministry of New & Renewable Energy**
ग्रिड और ऊर्जा विभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003
Dated: 23rd September 2025

OFFICE MEMORANDUM

Sub: Publishing 1st Revision of ALMM (Approved List of Models & manufacturers) LIST-II (for Solar PV Cells) – Reg.

Ref:

i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 02.01.2019, regarding ALMM Order and subsequent amendments and clarifications thereto;
ii. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 28.03.2019, regarding Guidelines for enlistment under ALMM and subsequent amendments and clarifications thereto;
iii. MNRE's O.M. No. 283/59/2024-GRID SOLAR/Pt dated 09.12.2024 regarding amendment to ALMM order, for implementation of ALMM for Solar PV Cells
iv. Amendment dated 28.07.2025 to O.M. dated 09.12.2024 referred above

1. In accordance with above referred O.M.s, Ministry of New & Renewable Energy (MNRE) vide its O.M. of even no. dated 31.07.2025, issued ALMM List-II for Solar PV Cells. Now, MNRE, hereby issues the First Revision of the ALMM List-II for Solar PV Cells, which is at Annexure-I.

2. This issues with the approval of competent authority.

(Priya)
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Encl: as above

To: All Concerned

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

Annexure-I

Revision-1

New additions on 23/09/2025 in ALMM List-II for Solar PV Cells									
S. No.	**Name of the Manufacturer**	**Location of Manufacturing Facility**	**Enlisted Capacity (MWs / Year)**	**Type of Solar Cell**	**Enlisted Models**	**Average Solar Cell Efficiency (%) and Wattage (Wp)**	**Range of Efficiency (%) and Wattage (Wp)[#] [Min-Max]**	**Validity**	
								From	**To**
1	**M/s. TP Solar Ltd.**	**Plot No. A109, Near Elcot Road, TP Solar Ltd., Sipcot Road and OSR Park Gangaikondan Road, Sipcot Industrial Park, Gangaikondan Industrial Park, Tirunelveli, Tamil Nadu -627352, India**	**4480**	Mono Crystalline PERC Bifacial Solar cell, (182.2 mm × 182.2 mm, 10 bus bar, PID free##)	TPSLM10PM10B	23.25% 7.69 W	22.00 % to 23.70 % 7.27 W to 7.84 W	23.09.2025	22.09.2029
			53	Mono Crystalline TOPCon Bifacial Solar cell, (182.2 mm × 182.2 mm, 10 bus bar, PID free##)	182.2-247-10BB-160F-TOPCon	23.30% 7.71 W	22.50 % to 25.50 % 7.44 W to 8.43 W		
2	**M/s Tata Power Renewable Energy Limited**	**Sy No. 43P and 44(P), Electronic City, 2nd Stage, Consisting Hosur Road, Bangalore – 560100, Karnataka, India**	**280**	Bifacial Mono c-Si PERC Cells (182mm x 182 mm, 10 Busbar, PID Free##)	TPSM10MPE10B	22.89% 7.54 W	[20% to 23.5 %] [6.6W to 7.75 W]	23.09.2025	22.09.2029

 # Solar Cell Efficiency and Wattage range are as claimed by manufacturer

PID is as claimed by manufacturer.

F. No. 283/51/2025-GRID SOLAR

भारत सरकार / Government of India

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

ग्रिड सौर ऊर्जा प्रभाग / **Grid Solar Power Division**

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003.
Dated: 31st July 2025

OFFICE MEMORANDUM

Sub: Publishing ALMM LIST-II (for Solar PV Cells) – Reg.

Ref:

i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 02.01.2019, regarding ALMM Order and subsequent amendments and clarifications thereto;
ii. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 28.03.2019, regarding Guidelines for enlistment under ALMM and subsequent amendments and clarifications thereto;
iii. MNRE's O.M. No. 283/59/2024-GRID SOLAR/Pt dated 09.12.2024 regarding amendment to ALMM order, for implementation of ALMM for Solar PV Cells
iv. Amendment dated 28.07.2025 to O.M. dated 09.12.2024 referred above

1. In accordance with above referred O.M.s, Ministry of New & Renewable Energy (MNRE), hereby issues the first version of the ALMM (Approved List of Models & Manufacturers) List-II for Solar PV Cells, which is at **Annexure-I.**

2. This issues with the approval of competent authority.

(Sanjay G. Karndhar)
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Encl: as above

To: All Concerned

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Annexure-I

ALMM List-II for Solar PV Cells									
S. No.	**Name of the Manufacturer**	**Location of Manufacturing Facility**	**Enlisted Capacity (MWs / Year)**	**Type of Solar Cell**	**Enlisted Models**	**Average Solar Cell Efficiency (%) and Wattage (Wp)**	**Range of Efficiency (%) and Wattage (Wp)[#] [Min-Max]**	**Validity**	
								From	**To**
1	**M/s Emmvee Energy Pvt. Ltd.**	**Sy No. 66-70/3, Sompura Industrial Area, Pemmanahalli Village, Sompura Hobli, Nelamangala Taluku, Bangalore (Rural), 562111, Karnataka, India**	**1553**	Bifacial N-Type TOPCon Cell (182.2mm x 183.75 mm, 16 BB, PID free[##])	EM16D1-TCM10	24.62% 8.24 W	[20.0% - 26.0%] [6.69 W - 8.70 W]	31.07.2025	30.07.2029
2	**M/s Premier Energies Photovoltaic Pvt Ltd**	**Plot No. 8/B/1 & 2, Survey No. 62 (P), 63 (P) & 88 (P), (Fab City), Raviryal, Maheshwaram (M), Ranga Reddy District – 501359, Telangana, India**	**751**	Bifacial Mono c-Si PERC Cells (182.2 mm x 183.75 mm, 10 Busbar, PID Free[##])	PEPPL_PIRANHA_PTYPE_M10_BI-FACIAL	23.24% 7.78 W	[20.97% to 25.63 %] [6.99 W to 8.54 W]	31.07.2025	30.07.2029
3	**M/s Premier Energies International Pvt Ltd**	**Plot No. 8/B/1 & 2, Survey No. 62 (P), 63 (P) & 88 (P), (Fab City), Raviryal, Maheshwaram (M), Ranga Reddy District – 501359, Telangana, India**	**1174**	Bifacial Mono c-Si PERC Cells (182.2 mm x 183.75 mm, 10 Busbar, PID Free[##])	PEPPL_PIRANHA_PTYPE_M10_BI-FACIAL	23.24% 7.78 W	[20.97% to 25.63 %] [6.99 W to 8.54 W]	31.07.2025	30.07.2029

ALMM List-II for Solar PV Cells									
S. No.	**Name of the Manufacturer**	**Location of Manufacturing Facility**	**Enlisted Capacity (MWs / Year)**	**Type of Solar Cell**	**Enlisted Models**	**Average Solar Cell Efficiency (%) and Wattage (Wp)**	**Range of Efficiency (%) and Wattage (Wp)[#] [Min-Max]**	**Validity**	
								From	**To**
4	**M/s. Mundra Solar Energy Limited**	**Survey No. 180 P, CO Mundra Solar Technopark Pvt. Ltd, Electronics Manufacturing Cluster EMC, Village Vandh and Tunda, Mundra, Kutch, Adani Ports and Special Economic Zone, Tunda, Kachchh, Gujarat, 370435**	**1939**	Bifacial Mono c-Si PERC Cells (182 mm x 182 mm, 10 Busbar, PID free[##])	MSELM10B10	23.43% 7.71 W	[22.6% to 23.5 %] [7.53 W to 7.83 W]	31.07.2025	30.07.2029
5	**M/s. Mundra Solar PV Limited**	**Survey No. 180 P, CO Mundra Solar Technopark Pvt. Ltd, Electronics Manufacturing Cluster EMC, Village Vandh and Tunda, Mundra, Kutch, Adani Ports and Special Economic Zone, Tunda, Kachchh, Gujarat, 370435**	**1893**	Bifacial N Type TOPCon Cells (182 mm x 182 mm, 16 busbar, PID free[##])	TPB16	25.27% 8.34 W	[24.6% to 25.5 %] [8.14 W to 8.44 W]	31.07.2025	30.07.2029
6	**M/s ReNew Photovoltaics Pvt Ltd**	**FP. No. 232(Part), Survey No 151/2, TP 2A, Dholera SIR, Village- Dholera, District- Ahmedabad, Gujarat 382455**	**1766**	Bifacial Mono c-Si PERC Cells (182.2mm x 183.75 mm & 182.2mm x 182.2 mm, 10 Busbar, PID free[##])	P-TYPE M10 PERC CELL	23.35% 7.72 W	[22.4% to 23.8%] [7.40 W to 7.96 W]	31.07.2025	30.07.2029

ALMM List-II for Solar PV Cells									
S. No.	**Name of the Manufacturer**	**Location of Manufacturing Facility**	**Enlisted Capacity (MWs / Year)**	**Type of Solar Cell**	**Enlisted Models**	**Average Solar Cell Efficiency (%) and Wattage (Wp)**	**Range of Efficiency (%) and Wattage (Wp)[#] [Min-Max]**	**Validity**	
								From	**To**
7	**M/s. Jupiter International Limited (Unit 1)**	**Village Katha , PO & Tehsil Baddi, District Solan, Himachal Pradesh - 173205**	**339**	Mono PERC Bifacial Solar Cell, P Type , 182.2mm × 182.2 mm and 182.2mm × 183.75 mm, 10 bus bar, PID free[##]	Mono PERC Bifacial Solar Cell, P Type	23.10% 7.73 W	[20.0 % to 23.80 %] 6.69 W to 7.97 W	31.07.2025	30.07.2029
8	**M/s. Jupiter International Limited (Unit 2)**	**Village Katha , PO & Tehsil Baddi, District Solan, Himachal Pradesh - 173205**	**440**	Mono PERC Bifacial Solar Cell, P Type , 182.2mm × 182.2 mm and 182.2mm × 183.75 mm, 10 bus bar, PID free[##]	Mono PERC Bifacial Solar Cell, P Type	23.10% 7.73 W	[20.0 % to 23.80 %] [6.69 W to 7.97 W]	31.07.2025	30.07.2029
9	**M/s. FS India Solar Ventures Private Limited**	**Plot No. A-1/1, Sipcot Industrial Park, Pillaipakkam - 602105, Tamil Nadu**	**3212**	Is enlisted in ALMM List-I for solar PV modules and is deemed to be eligible for Inclusion in ALMM List-II for solar PV cells, as per para 9 of OM dated 09.12.2024				31.07.2025	28.04.2028

 # Solar Cell Efficiency and Wattage range are as claimed by manufacturer

PID is as claimed by manufacturer.