

F. No. 283/54/2018-GRID SOLAR-Part(1)

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: 26th July, 2023

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;

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. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 has been updated vide this Ministry's O.M.s of even no. dated 17.08.2021, 29.09.2021, 10.11.2021, 30.12.2021, 04.03.2022, 05.04.2022, 18.08.2022, 27.09.2022, 25.01.2023, 27.02.2023, 24.04.2023 and 31.05.2023.

3. This Ministry vide its O.M. No. 283/22/2023-GRID SOLAR/Pt dated 10.05.2023 had issued major reforms in the Approved List of Models and Manufactures for Solar Photovoltaic Modules which inter-alia include enlistment of only such models of Solar PV Module Manufacturers, under ALMM, which comply with the BIS Standards and are having the following minimum module efficiency:

Category	Application/ Use	Minimum Module Efficiency required to be eligible for enlistment under ALMM
Category I	Utility / Grid Scale Power Plants	20.0%
Category II	Rooftop and Solar Pumping	19.5%
Category III	Solar Lighting	19.0%

4. Post 10.05.2023, only such models of Solar PV Modules have been considered for enlistment under ALMM List-I, whose module efficiency is equal to or greater than 19.00%.

5. Further, Solar PV Module Manufacturers, whose models' validity expired on 09.03.2023 and had not applied for renewal on or before 09.03.2023, have been delisted from the ALMM List-I.

6. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is at Annexure-I. The details of provisional enlistments granted by MNRE in ALMM List-I are at pages after Annexure-I.

7. This issues with the approval of competent authority.



(Sanjay 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

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
1	Vikram Solar Ltd.	Falta Sez, 24 Parganas (South), West Bengal, India	1050	i	Multi Crystalline Silicon Module	Eldora VSP.72.330.05 (330 Wp)	VSP.72.320.05		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							VSP.72.325.05					
							VSP.72.330.05					
							VSP.72.335.05					
							VSP.72.340.05					
							VSP.72.345.05					
				ii	Multi Crystalline Silicon Module	Eldora VSPH.72.345.05 (345 Wp)	VSPH.72.340.05		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							VSPH.72.345.05					
							VSPH.72.350.05					
				iii	Mono Crystalline Silicon Module	Somera VSM.72.370.05 (370 Wp)	VSM.72.370.05		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							VSM.72.375.05					
				iv	Mono Crystalline Silicon Module	Somera VSMH.72.390.05 (390 Wp)	VSMH.72.380.05		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							VSMH.72.385.05					
							VSMH.72.390.05					
							VSMH.72.395.05					
							VSMH.72.400.05					
				v	Mono Crystalline Silicon Module	PREXOS VSMDHT.72.445.05 (445Wp)	PREXOS VSMDHT.72.435.05		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							PREXOS VSMDHT.72.440.05					
							PREXOS VSMDHT.72.445.05					
							PREXOS VSMDHT.72.450.05					
				vi	Mono Crystalline Silicon Module	SOMERA VSMH.72.440.05 (440Wp)	SOMERA VSMH.72.430.05		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							SOMERA VSMH.72.435.05					
							SOMERA VSMH.72.440.05					
							SOMERA VSMH.72.445.05					
SOMERA VSMH.72.450.05												
2	Emmvee Photovoltaic Power Pvt. Ltd.	Bettahalasuru, Bengaluru, Karnataka, India	500	i	Multi C-Si Module	E335P72 (335 Wp)	E320P72		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							E325P72					
							E330P72					
							E335P72					
							E340P72					
							E345P72					
				ii	Multi C-Si Module	E280P60 (280 Wp)	E350P72		60 (Full Cells)	1500	10.03.2021	09.05.2023*
							E270P60					
							E275P60					
							E280P60					
							E285P60					
				iii	Mono PERC Module	E380M72 (380 Wp)	E290P60		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							E365M72					
							E370M72					
							E375M72					
							E380M72					
							E385M72					
							E390M72					
				iv	Mono PERC Module	E315M60 (315 Wp)	E395M72		60 (Full Cells)	1500	10.03.2021	09.05.2023*
							E300M60					
							E305M60					
							E310M60					
							E315M60					
							E320M60					
E325M60												
E330M60												
i	Multi C-Si Module	DESERV 3M6-330 (330 Wp)	DESERV 3M6-315		72 (Full Cells)	1000	10.03.2021	09.05.2023*				
			DESERV 3M6-320									
			DESERV 3M6-325									
			DESERV 3M6-330									
			DESERV 3M6-335									
			DESERV 3M6-340									

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				ii	Multi C-Si Module	DESERV 3M6H-330 (330 Wp)	DESERV 3M6-345 DESERV 3M6H-315 DESERV 3M6H-320 DESERV 3M6H-325 DESERV 3M6H-330 DESERV 3M6H-335 DESERV 3M6H-340 DESERV 3M6H-345		72 (Full Cells)	1500	10.03.2021	09.05.2023*
				iii	Multi C-Si Module	DESERV MGALACTIC-345 (345 Wp)	DESERV MGALACTIC-330 DESERV MGALACTIC-335 DESERV MGALACTIC-340 DESERV MGALACTIC-345 DESERV MGALACTIC-350 DESERV MGALACTIC-355 DESERV MGALACTIC-360		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
				iv	Mono C-Si Module	DESERV 356-360 (360 Wp)	DESERV 356-345 DESERV 356-350 DESERV 356-355 DESERV 356-360 DESERV 356-365 DESERV 356-370 DESERV 356-375		72 (Full Cells)	1000	10.03.2021	09.05.2023*
				v	Mono C-Si Module	DESERV 356H-360 (360 Wp)	DESERV 356H-345 DESERV 356H-350 DESERV 356H-355 DESERV 356H-360 DESERV 356H-365 DESERV 356H-370 DESERV 356H-375		72 (Full Cells)	1500	10.03.2021	09.05.2023*
				vi	Mono C-Si Module	DESERV SGALACTIC-375 (375 Wp)	DESERV SGALACTIC-360 DESERV SGALACTIC-365 DESERV SGALACTIC-370 DESERV SGALACTIC-375 DESERV SGALACTIC-380 DESERV SGALACTIC-385 DESERV SGALACTIC-390		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
4	M/s Sova Solar Ltd.	Layout Plot No: 25, E.P.I.P, Banskopa, Durgapur 713212, West Bengal, India.	404	i	Multi C-Si Module	SS28060MC (280 Wp)	SS27060MC SS27560MC SS28060MC SS28560MC SS29060MC		60 (Full Cells)	1500	10.03.2021	09.05.2023*
				ii	Multi C-Si Module	SS33072MC (330 Wp)	SS32072MC SS32572MC SS33072MC SS33572MC SS34072MC SS34572MC		72 (Full Cells)	1500	10.03.2021	09.05.2023*
				iii	Mono PERC Module	SS31060MP (310 Wp)	SS30060MP SS30560MP SS31060MP SS31560MP SS32060MP SS32560MP		60 (Full Cells)	1500	10.03.2021	09.05.2023*
				iv	Mono PERC Module	SS38572MP (385 Wp)	SS37072MP SS37572MP SS38072MP SS38572MP SS39072MP SS39572MP SS40072MP		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							SS510144HCMP					

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				v	Mono C-Si PERC Modules	SS520144HCMP, (520Wp)	SS515144HCMP SS520144HCMP SS525144HCMP SS530144HCMP SS535144HCMP SS540144HCMP		144 (Half-Cut Cells)	1500	10.03.2021	09.05.2023*
5	M/s Australian Premium Solar (India) Pvt. Ltd.	Tajpur, N.H-8, The Prantij, Dist-Sabarkantha, Gujarat-383205, India.	100	i	Multi C-Si Module	APSAP6-250/60 (250 Wp)	APSAP6-250/60 APSAP6-260/60		60 (Full Cells)	1000	10.03.2021	09.05.2023*
				ii	Multi C-Si Module	APSAP6-300/72 (300 Wp)	APSAP6-300/72		72 (Full Cells)	1000	10.03.2021	09.05.2023*
				iii	Multi C-Si Module	APSAP6-320/72 (320 Wp)	APSAP6-320/72 APSAP6-330/72		72 (Full Cells)	1000	10.03.2021	09.05.2023*
				iv	Multi C-Si Module	APSAP6-340/72 (340 Wp)	APSAP6-340/72 APSAP6-350/72		72 (Full Cells)	1000	10.03.2021	09.05.2023*
				v	Multi C-Si Modules	APSAP6-305/66, (305 Wp)	APSAP6-290/66		66 (Full Cells)	1000	10.03.2021	09.05.2023*
							APSAP6-295/66					
							APSAP6-300/66					
							APSAP6-305/66					
							APSAP6-310/66					
				vi	Multi C-Si Modules	APSAP6-335/72, (335Wp)	APSAP6-335/72		72 (Full Cells)	1000	10.03.2021	09.05.2023*
				6	Solex Energy Ltd.	GIDC, Vitthal Udyognagar, Anand, Gujarat, India	45	i	Multi C-Si Module	SES1224 (24 Wp)	SES1224	
ii	Multi C-Si Module	SES1275 (75 Wp)	SES1275						36 (Cut Cells)	600	10.03.2021	09.05.2023*
iii	Multi C-Si Module	SES12100 (100 Wp)	SES12100						36 (Cut Cells)	600	10.03.2021	09.05.2023*
iv	Multi C-Si Module	SES16200 (200 Wp)	SES16200 SES16210						48 (Full Cells)	1000	10.03.2021	09.05.2023*
v	Multi C-Si Module	SES20250 (250 Wp)	SES20250						60 (Full Cells)	1000	10.03.2021	09.05.2023*
			SES20260									
vi	Multi C-Si Module	SES24300 (300 Wp)	SES24300 SES24320 SES24325						72 (Full Cells)	1000	10.03.2021	09.05.2023*
vii	Multi C-Si Module	SES24335 (335 Wp)	SES24330									
			SES24335									
			SES24340									
			SES24350									
viii	Mono- PERC Module	SESM20280 (280 Wp)	SESM20280		60 (Full Cells)	1000	10.03.2021	09.05.2023*				
ix	Mono- PERC Module	SESM20300 (300 Wp)	SESM20300		60 (Full Cells)	1000	10.03.2021	09.05.2023*				
x	Mono- PERC Module	SESM24335 (335 Wp)	SESM24335		72 (Full Cells)	1000	10.03.2021	09.05.2023*				
xi	Mono- PERC Module	SESM24360 (360 Wp)	SESM24350		72 (Full Cells)	1000	10.03.2021	09.05.2023*				
			SESM24360									
			SESM24370									
7	PV Power Technologies Pvt. Ltd.	Plot No. 60, Tarapur Textile Park Limited, Boisar Chillar Raod, Sai Baba Bolevard Township, Boisar East, Palghar - 401501, Maharashtra, India	200	i	Multi C-Si Modules	ECO 325H (325 Wp)	ECO 315H		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							ECO 320H					
							ECO 325H					
							ECO 330H					
							ECO 335H					
							ECO 300					
				ii	Multi C-Si Modules	ECO 315 (315 Wp)	ECO 305		72 (Full Cells)	1000	10.03.2021	09.05.2023*
							ECO 310					
							ECO 315					
							ECO 320					
							ECO 325					
							ECO 330					
				iii	Mono C-Si Modules	ECO 355M (355 Wp)	ECO 340M		72 (Full Cells)	1000	10.03.2021	09.05.2023*
							ECO 345M					
							ECO 350M					
							ECO 355M					
							ECO 360M					
							ECO 365M					

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				iv	Multi C-Si Modules	ECO 155H, (155Wp)	ECO 370M		36 (Full Cells)	1500	10.03.2021	09.05.2023*
							ECO 150H					
							ECO 155H					
				v	Multi C-Si Modules	ECO 270H, (270Wp)	ECO 160H		60 (Full Cells)	1500	10.03.2021	09.05.2023*
							ECO 260H					
							ECO 265H					
							ECO 270H					
							ECO 275H					
				vi	Multi C-Si Modules	ECO 300H, (300Wp)	ECO 280H		66 (Full Cells)	1500	10.03.2021	09.05.2023*
							ECO 285H					
							ECO 290H					
ECO 295H												
vii	Multi C-Si Modules	ECO 340H, (340Wp)	ECO 300H		72 (Full Cells)	1500	10.03.2021	09.05.2023*				
			ECO 305H									
viii	Mono C-Si PERC Modules	ECO 195MH, (195Wp)	ECO 310H		36 (Full Cells)	1500	10.03.2021	09.05.2023*				
			ECO 340H									
ix	Mono C-Si PERC Modules	ECO 315MH, (315Wp)	ECO 345H		60 (Full Cells)	1500	10.03.2021	09.05.2023*				
			ECO 190MH									
			ECO 195MH									
			ECO 200MH									
			ECO 305MH									
x	Mono C-Si PERC Modules	ECO 350MH, (350Wp)	ECO 310MH		66 (Full Cells)	1500	10.03.2021	09.05.2023*				
			ECO 315MH									
			ECO 320MH									
			ECO 325MH									
			ECO 330MH									
			ECO 335MH									
xi	Mono C-Si PERC Modules	ECO 390MH, (390Wp)	ECO 340MH		72 (Full Cells)	1500	10.03.2021	09.05.2023*				
			ECO 345MH									
			ECO 350MH									
			ECO 355MH									
8	Saatvik Green Energy Pvt. Ltd.	Dubli, Ambala, Haryana, India	510	i	Multi C-Si Modules	SGE 150-36P (150 Wp)	ECO 360MH		36 (Full Cells)	1000	10.03.2021	09.05.2023*
							ECO 400MH					
				ii	Multi C-Si Modules	SGE 165-36P (165 Wp)	SGE 150-36P		36 (Full Cells)	1000	10.03.2021	09.05.2023*
							SGE 160-36P					
				iii	Multi C-Si Modules	SGE 200-48P (200 Wp)	SGE 165-36P		48 (Full Cells)	1000	10.03.2021	09.05.2023*
							SGE 170-36P					
				iv	Multi C-Si Modules	SGE 230-54P (230 Wp)	SGE 200-48P		54 (Full Cells)	1000	10.03.2021	09.05.2023*
SGE 210-48P												
SGE 220-54P												
SGE 225-54P												
v	Multi C-Si Modules	SGE 260-60P (260 Wp)	SGE 230-54P		60 (Full Cells)	1500	10.03.2021	09.05.2023*				
			SGE 235-54P									
			SGE 240-54P									
			SGE 250-60P									
vi	Multi C-Si Modules	SGE 275-60P (275 Wp)	SGE 260-60P		60 (Full Cells)	1500	10.03.2021	09.05.2023*				
			SGE 265-60P									
vii	Multi C-Si Modules	SGE 315-72P (315 Wp)	SGE 270-60P		72 (Full Cells)	1500	10.03.2021	09.05.2023*				
			SGE 275-60P									
			SGE 300-72P									
			SGE 305-72P									
			SGE 310-72P									

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
							SGE 325-72P					
							SGE 330-72P					
				viii	Multi C-Si Modules	SGE 340-72P (340 Wp)	SGE 335-72P		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							SGE 340-72P					
							SGE 345-72P					
				ix	Mono C-Si Modules	SGE 185-36M (185 Wp)	SGE 180-36M		36 (Full Cells)	1000	10.03.2021	09.05.2023*
							SGE 185-36M					
							SGE 190-36M					
							SGE 235-48M					
				x	Mono C-Si Modules	SGE 245-48M (245 Wp)	SGE 240-48M		48 (Full Cells)	1000	10.03.2021	09.05.2023*
							SGE 245-48M					
							SGE 250-48M					
							SGE 255-48M					
							SGE 265-54M					
				xi	Mono C-Si Modules	SGE 275-54M (275 Wp)	SGE 270-54M		54 (Full Cells)	1000	10.03.2021	09.05.2023*
							SGE 275-54M					
							SGE 280-54M					
							SGE 285-54M					
							SGE 285-60M					
				xii	Mono C-Si Modules	SGE 300-60M (300 Wp)	SGE 290-60M		60 (Full Cells)	1500	10.03.2021	09.05.2023*
							SGE 295-60M					
							SGE 300-60M					
							SGE 305-60M					
							SGE 310-60M					
							SGE 315-60M					
							SGE 355-72M					
				xiii	Mono C-Si Modules	SGE 370-72M (370 Wp)	SGE 360-72M		72 (Full Cells)	1500	10.03.2021	09.05.2023*
							SGE 365-72M					
							SGE 370-72M					
							SGE 375-72M					
							SGE 380-72M					
							SGE 385-72M					
							SGE555-156MHC					
				xiv	Mono PERC C-Si Modules.	SGE570-156MHC, (570 Wp)	SGE560-156MHC		156 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							SGE565-156MHC					
							SGE570-156MHC					
							SGE575-156MHC					
							SGE580-156MHC					
							SGE585-156MHC					
							SGE590-156MHC					
							SGE520-144MHC					
				xv	Mono PERC C-Si Modules.	SGE530-144MHC, (530 Wp)	SGE525-144MHC		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							SGE530-144MHC					
							SGE535-144MHC					
							SGE540-144MHC					
							SGE545-144MHC					
							SGE470-132MHC					
				xvi	Mono PERC C-Si Modules.	SGE485-132MHC, (485 Wp)	SGE475-132MHC		132 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							SGE480-132MHC					
							SGE485-132MHC					
							SGE490-132MHC					
							SGE495-132MHC					
							SGE500-132MHC					
							SGE420-120MHC					
				xvii	Mono PERC C-Si Modules.	SGE440-120MHC, (440 Wp)	SGE425-120MHC		120 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
							SGE430-120MHC					
							SGE435-120MHC					
							SGE440-120MHC					
							SGE445-120MHC					
							SGE450-120MHC					
							SGE455-120MHC					
							SGE380-108MHC					

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S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				xviii	Mono PERC C-Si Modules.	SGE395-108MHC, (395 Wp)	SGE385-108MHC SGE390-108MHC SGE395-108MHC SGE400-108MHC SGE405-108MHC SGE410-108MHC		108 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
				xix	Mono PERC C-Si Modules.	SGE 395-72M, (395 Wp)	SGE 390-72M SGE 395-72M SGE 400-72M		72 (Full Cell)	1500	10.03.2021	09.05.2023*
9	Navitas Green Solutions Pvt. Ltd.	Plot No. B-20/3, Road No. 13, 14, Palsana-Baleshwar Rd, Hoziwala Industrial Estate, Sachin, Surat-394230, Gujarat	150	i	Mono C-Si PERC Modules	NSM365 (365 Wp)	NSM350 NSM355 NSM360 NSM365 NSM370 NSM375 NSM380		72 (Full Cells)	1500	10.03.2021	09.05.2023*
				ii	Mono C-Si PERC Modules	NSM330 (330 Wp)	NSM320 NSM325 NSM330 NSM335 NSM340		72 (Full Cells)	1500	10.03.2021	09.05.2023*
				iii	Mono C-Si PERC Modules	NSM315-60 (315 Wp)	NSM300-60 NSM305-60 NSM310-60 NSM315-60 NSM320-60 NSM325-60 NSM330-60		60 (Full Cells)	1500	10.03.2021	09.05.2023*
				iv	Mono C-Si PERC Modules	NSM285-60 (285 Wp)	NSM275-60 NSM280-60 NSM285-60 NSM290-60 NSM295-60		60 (Full Cells)	1500	10.03.2021	09.05.2023*
				v	Mono C-Si PERC Modules	NSM260-60 (260 Wp)	NSM250-60 NSM255-60 NSM260-60 NSM265-60		60 (Full Cells)	1500	10.03.2021	09.05.2023*
				vi	Mono C-Si PERC Modules	NSM340-66 (340 Wp)	NSM325-66 NSM330-66 NSM335-66 NSM340-66 NSM345-66 NSM350-66 NSM355-66		66 (Full Cells)	1500	10.03.2021	09.05.2023*
				vii	Mono C-Si PERC Modules	NSM305-66 (305 Wp)	NSM295-66 NSM300-66 NSM305-66 NSM310-66 NSM315-66 NSM320-66		66 (Full Cells)	1500	10.03.2021	09.05.2023*
				viii	Mono C-Si PERC Modules	NSM180-36 (180 Wp)	NSM175-36 NSM180-36 NSM185-36		36 (Full Cells)	1000	10.03.2021	09.05.2023*
				ix	Mono C-Si PERC Modules	NSM165-36 (165 Wp)	NSM160-36 NSM165-36 NSM170-36		36 (Full Cells)	1000	10.03.2021	09.05.2023*
				x	Mono C-Si PERC Modules	NSM150-36 (150 Wp)	NSM150-36 NSM155-36		36 (Full Cells)	1000	10.03.2021	09.05.2023*
				xi	Multi C-Si Modules	NSA330 (330 Wp)	NSA315 NSA320 NSA325 NSA330		72 (Full Cells)	1500	10.03.2021	09.05.2023*

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
							NSA335					
							NSA340					
							NSA345					
				xii	Multi C-Si Modules	NSA305 (305 Wp)	NSA295		72 (Full Cells)	1500	10.03.2021	09.05.2023*
						NSA300						
						NSA305						
						NSA310						
						NSA295-66						
				xiii	Multi C-Si Modules	NSA310-66 (310 Wp)	NSA300-66		66 (Full Cells)	1500	10.03.2021	09.05.2023*
						NSA305-66						
						NSA310-66						
						NSA315-66						
						NSA320-66						
				xiv	Multi C-Si Modules	NSA280-66 (280 Wp)	NSA325-66		66 (Full Cells)	1500	10.03.2021	09.05.2023*
						NSA275-66						
						NSA280-66						
						NSA285-66						
						NSA290-66						
				xv	Multi C-Si Modules	NSA290-60 (290 Wp)	NSA280-60		60 (Full Cells)	1500	10.03.2021	09.05.2023*
						NSA285-60						
						NSA290-60						
						NSA295-60						
						NSA300-60						
				xvi	Multi C-Si Modules	NSA265-60 (265 Wp)	NSA255-60		60 (Full Cells)	1500	10.03.2021	09.05.2023*
						NSA260-60						
						NSA265-60						
						NSA270-60						
						NSA275-60						
				xvii	Multi C-Si Modules	NSA250-60 (250 Wp)	NSA250-60		60 (Full Cells)	1500	10.03.2021	09.05.2023*
				xviii	Multi C-Si Modules	NSA170-36F (170 Wp)	NSA170-36F		36 (Full Cells)	1000	10.03.2021	09.05.2023*
						NSA175-36F						
				xix	Multi C-Si Modules	NSA155-36F (155 Wp)	NSA150-36F		36 (Full Cells)	1000	10.03.2021	09.05.2023*
						NSA155-36F						
				xx	Multi C-Si Modules	NSA325-144 (325 Wp)	NSA310-144		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
						NSA315-144						
						NSA320-144						
						NSA325-144						
						NSA330-144						
						NSA335-144						
				xxi	Multi C-Si Modules	NSA300-144 (300 Wp)	NSA340-144		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
						NSA300-144						
				xxii	Multi C-Si Modules	NSA165-36F (165 Wp)	NSA305-144		36 (Full Cells)	1000	10.03.2021	09.05.2023*
						NSA160-36F						
				xxiii	Multi C-Si Modules	NSA110-36 (110 Wp)	NSA165-36F		36 (Cut Cells)	1000	10.03.2021	09.05.2023*
						NSA110-36						
				xxiv	Multi C-Si Modules	NSA74-36 (74 Wp)	NSA74-36		36 (Cut Cells)	1000	10.03.2021	09.05.2023*
						NSA75-36						
				xxv	Mono PERC C-Si Module	NSM580-156 (580 Wp)	NSM570-156		156 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
						NSM575-156		10.03.2021			09.05.2023*	
						NSM580-156		10.03.2021			09.05.2023*	
						NSM585-156		10.03.2021			09.05.2023*	
						NSM525-144		10.03.2021			09.05.2023*	
				xxvi	Mono PERC C-Si Module	NSM540-144 (540 Wp)	NSM530-144		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
						NSM535-144		10.03.2021			09.05.2023*	
						NSM540-144		10.03.2021			09.05.2023*	
						NSM545-144		10.03.2021			09.05.2023*	
						NSM550-144		10.03.2021			09.05.2023*	
						NSM555-144		10.03.2021			09.05.2023*	
						NSM560-144		10.03.2021			09.05.2023*	
						NSM480-132		10.03.2021			09.05.2023*	

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				xxvii	Mono PERC C-Si Module	NSM500-132 (500 Wp)	NSM485-132		132 (Half Cut Cells)	1500	10.03.2021	09.05.2023*
			NSM490-132					10.03.2021			09.05.2023*	
			NSM495-132					10.03.2021			09.05.2023*	
			NSM500-132					10.03.2021			09.05.2023*	
			xxviii	Mono PERC C-Si Module	NSM445-120 (445 Wp)	NSM435-120		120 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM440-120				10.03.2021	09.05.2023*	
						NSM445-120				10.03.2021	09.05.2023*	
						NSM450-120				10.03.2021	09.05.2023*	
			xix	Mono PERC C-Si Module	NSM400-108 (400 Wp)	NSM455-120		108 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM390-108				10.03.2021	09.05.2023*	
						NSM395-108				10.03.2021	09.05.2023*	
						NSM400-108				10.03.2021	09.05.2023*	
			xxx	Mono PERC C-Si Module	NSM360-96 (360 Wp)	NSM405-108		96 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM410-108				10.03.2021	09.05.2023*	
						NSM350-96				10.03.2021	09.05.2023*	
						NSM355-96				10.03.2021	09.05.2023*	
			xxxxi	Mono PERC C-Si Module	NSM270-72 (270 Wp)	NSM360-96		72 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM365-96				10.03.2021	09.05.2023*	
						NSM260-72				10.03.2021	09.05.2023*	
						NSM265-72				10.03.2021	09.05.2023*	
			xxxii	Mono PERC C-Si Module	NSM470-156 (470 Wp)	NSM270-72		156 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM275-72				10.03.2021	09.05.2023*	
						NSM460-156				10.03.2021	09.05.2023*	
						NSM465-156				10.03.2021	09.05.2023*	
			xxxiii	Mono PERC C-Si Module	NSM450-144 (450 Wp)	NSM470-156		144 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM475-156				10.03.2021	09.05.2023*	
						NSM480-156				10.03.2021	09.05.2023*	
						NSM485-156				10.03.2021	09.05.2023*	
			xxxiv	Mono PERC C-Si Module	NSM405-132 (405 Wp)	NSM435-144		132 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM440-144				10.03.2021	09.05.2023*	
						NSM445-144				10.03.2021	09.05.2023*	
						NSM450-144				10.03.2021	09.05.2023*	
			xxxv	Mono PERC C-Si Module	NSM370-120 (370 Wp)	NSM455-144		120 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM460-144				10.03.2021	09.05.2023*	
						NSM465-144				10.03.2021	09.05.2023*	
						NSM395-132				10.03.2021	09.05.2023*	
			xxxvi	Mono PERC C-Si Module	NSM330-108 (330 Wp)	NSM405-132		108 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM410-132				10.03.2021	09.05.2023*	
						NSM415-132				10.03.2021	09.05.2023*	
						NSM360-120				10.03.2021	09.05.2023*	
			xxxvii	Mono PERC C-Si Module	NSM290-96 (290 Wp)	NSM365-120		96 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM370-120				10.03.2021	09.05.2023*	
						NSM375-120				10.03.2021	09.05.2023*	
						NSM320-108				10.03.2021	09.05.2023*	
			xxxviii	Mono PERC C-Si Module	NSM215-72 (215 Wp)	NSM325-108		72 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM330-108				10.03.2021	09.05.2023*	
						NSM335-108				10.03.2021	09.05.2023*	
						NSM340-108				10.03.2021	09.05.2023*	
			xxxviii	Mono PERC C-Si Module	NSM290-96 (290 Wp)	NSM285-96		96 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM290-96				10.03.2021	09.05.2023*	
						NSM295-96				10.03.2021	09.05.2023*	
						NSM300-96				10.03.2021	09.05.2023*	
			xxxviii	Mono PERC C-Si Module	NSM215-72 (215 Wp)	NSM210-72		72 (Half Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSM215-72				10.03.2021	09.05.2023*	
						NSM220-72				10.03.2021	09.05.2023*	

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				ixl	Mono PERC C-Si Module	NSM385 (385 Wp)	NSM225-72		72 (Full Cells)	1500	10.03.2021	09.05.2023*
			NSM390					10.03.2021			09.05.2023*	
			NSM395					10.03.2021			09.05.2023*	
			NSM400					10.03.2021			09.05.2023*	
			NSM385					10.03.2021			09.05.2023*	
			xl	Multi C-Si Module	NSA120-36 (120 Wp)	NSA125-36		36 (Cut Cells)	1500	10.03.2021	09.05.2023*	
						NSA120-36				10.03.2021	09.05.2023*	
10	Central Electronics Ltd.	Industrial Area, Sahibabad, Uttar Pradesh, India	35	i	Multi C-Si Modules	PM-40 (40 Wp)	PM-40		36 (Cut Cells)	600	17.08.2021	16.08.2023
				ii	Multi C-Si Modules	PM-50 (50 Wp)	PM-50		36 (Cut Cells)	600	17.08.2021	16.08.2023
				iii	Multi C-Si Modules	PM-75 (75 Wp)	PM-75		36 (Cut Cells)	600	17.08.2021	16.08.2023
				iv	Multi C-Si Modules	PM-80 (80 Wp)	PM-80		36 (Cut Cells)	600	17.08.2021	16.08.2023
				v	Multi C-Si Modules	PM-100 (100 Wp)	PM-95		36 (Cut Cells)	600	17.08.2021	16.08.2023
							PM-100				17.08.2021	16.08.2023
							PM-105				17.08.2021	16.08.2023
				vi	Multi C-Si Modules	PM-120 (120 Wp)	PM-115		36 (Cut Cells)	600	17.08.2021	16.08.2023
							PM-120					
							PM-125					
				vii	Multi C-Si Modules	PM-140 (140 Wp)	PM-135		36 (Cut Cells)	600	17.08.2021	16.08.2023
							PM-140					
							PM-145					
				viii	Multi C-Si Modules	PM-150 (150 Wp)	PM-150		36 (Full Cells)	600	17.08.2021	16.08.2023
							PM-155					
				ix	Multi C-Si Modules	PM-160 (160 Wp)	PM-160		36 (Full Cells)	600	17.08.2021	16.08.2023
				x	Multi C-Si Modules	PM-250(60) (250 Wp)	PM-250(60)		60 (Full Cells)	1000	17.08.2021	16.08.2023
				xi	Multi C-Si Modules	PM-205 (205 Wp)	PM-200		72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PM-205					
							PM-210					
				xii	Multi C-Si Modules	PM-225 (225 Wp)	PM-215		72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PM-220					
							PM-225					
							PM-230					
							PM-235					
				xiii	Multi C-Si Modules	PM-245 (245 Wp)	PM-240		72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PM-245					
							PM-250(72)					
				xiv	Multi C-Si Modules	PM-285 (285 Wp)	PM-280		72 (Full Cells)	1000	17.08.2021	16.08.2023
							PM-285					
							PM-290					
				xv	Multi C-Si Modules	PM-305 (305 Wp)	PM-295		72 (Full Cells)	1000	17.08.2021	16.08.2023
							PM-300					
PM-305												
PM-310												
PM-315												
PM-320												
PM-325												
xvi	Multi C-Si Modules	PM-330 (330 Wp)	PM-330		72 (Full Cells)	1000	17.08.2021	16.08.2023				
			PM-335									
			PM-340									
			PM-340									
xvii	Mono C-Si Modules	PMM-40 (40 Wp)	PMM-40		36 (Cut Cells)	600	17.08.2021	16.08.2023				
xviii	Mono C-Si Modules	PMM-50 (50 Wp)	PMM-50		36 (Cut Cells)	600	17.08.2021	16.08.2023				
xix	Mono C-Si Modules	PMM-75 (75 Wp)	PMM-75		36 (Cut Cells)	600	17.08.2021	16.08.2023				
xx	Mono C-Si Modules	PMM-80 (80Wp)	PMM-80		36 (Cut Cells)	600	17.08.2021	16.08.2023				
xxi	Mono C-Si Modules	PMM-100 (100 Wp)	PMM-95		36 (Cut Cells)	600	17.08.2021	16.08.2023				
			PMM-100									
			PMM-105									
xxii	Mono C-Si Modules	PMM-120 (120 Wp)	PMM-115		36 (Cut Cells)	600	17.08.2021	16.08.2023				
			PMM-120									
			PMM-125									
xxiii	Mono C-Si Modules	PMM-140 (140 Wp)	PMM-135		36 (Cut Cells)	600	17.08.2021	16.08.2023				
			PMM-140									
			PMM-145									

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
				xxiv	Mono C-Si Modules	PMM-150 (150 Wp)	PMM-150 PMM-155		36 (Full Cells)	600	17.08.2021	16.08.2023
				xxv	Mono C-Si Modules	PMM-160 (160 Wp)	PMM-160		36 (Full Cells)	600	17.08.2021	16.08.2023
				xxvi	Mono C-Si Modules	PMM-250(60) (250 Wp)	PMM-250(60)		60 (Full Cells)	1000	17.08.2021	16.08.2023
				xxvii	Mono C-Si Modules	PMM-205 (205 Wp)	PMM-200		72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PMM-205					
							PMM-210					
				xxviii	Mono C-Si Modules	PMM-225 (225 Wp)	PMM-215		72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PMM-220					
							PMM-225					
							PMM-230					
				xxix	Mono C-Si Modules	PMM-245 (245 Wp)	PMM-235		72 (Cut Cells)	1000	17.08.2021	16.08.2023
							PMM-240					
				xxx	Mono C-Si Modules	PMM-285 (285 Wp)	PMM-245		72 (Full Cells)	1000	17.08.2021	16.08.2023
							PMM-250(72)					
							PMM-280					
				xxxi	Mono C-Si Modules	PMM-305 (305 Wp)	PMM-285		72 (Full Cells)	1000	17.08.2021	16.08.2023
							PMM-290					
							PMM-295					
				xxxii	Mono C-Si Modules	PMM-335 (335 Wp)	PMM-300		72 (Full Cells)	1000	17.08.2021	16.08.2023
							PMM-305					
							PMM-310					
							PMM-315					
							PMM-320					
							PMM-325					
PMM-330												
11	Patanjali Renewable Energy Pvt. Ltd.	D-83, 84, 85 EPIP, Site-V, UPSIDC Industrial Area Kasna, Greater Noida, Gautam Budha Nagar, UP-201310, India.	72	i	Multi C-Si Modules	PREL-40Wp (40 Wp)	PREL-40Wp		36 (Cut Cell)	600	17.08.2021	16.08.2023
				ii	Multi C-Si Modules	PREL-50Wp (50 Wp)	PREL-50Wp		36 (Cut Cell)	600	17.08.2021	16.08.2023
				iii	Multi C-Si Modules	PREL-60Wp (60 Wp)	PREL-60Wp		36 (Cut Cell)	600	17.08.2021	16.08.2023
				iv	Multi C-Si Modules	PREL-75Wp (75 Wp)	PREL-75Wp		36 (Cut Cell)	600	17.08.2021	16.08.2023
				v	Multi C-Si Modules	PREL-100Wp (100 Wp)	PREL-100Wp		36 (Cut Cell)	600	17.08.2021	16.08.2023
				vi	Multi C-Si Modules	PREL-150Wp (150 Wp)	PREL-150Wp		36 (Full Cell)	1000	17.08.2021	16.08.2023
				vii	Multi C-Si Modules	PREL-250Wp (250 Wp)	PREL-250Wp		60 (Full Cell)	1000	17.08.2021	16.08.2023
				viii	Multi C-Si Modules	PREL-265Wp (265 Wp)	PREL-255Wp		60 (Full Cell)	1000	17.08.2021	16.08.2023
							PREL-260Wp					
							PREL-265Wp					
							PREL-270Wp					
ix	Multi C-Si Modules	PREL-300Wp (300 Wp)	PREL-275Wp		72 (Full Cell)	1000	17.08.2021	16.08.2023				
			PREL-300Wp									
			PREL-305Wp									
x	Multi C-Si Modules	PREL-330Wp (330 Wp)	PREL-310Wp		72 (Full Cell)	1000	17.08.2021	16.08.2023				
			PREL-315Wp									
			PREL-320Wp									
			PREL-325Wp									
xi	Multi C-Si Modules.	PREL-125Wp (125 Wp)	PREL-330Wp		32 (Cut Cell)	600V	17.08.2021	16.08.2023				
			PREL-335Wp									
12	Jakson Engineers Ltd.	Plot No-25, Ecotech-III, Udyog Kendra, Greater NOIDA-201306, Gautam Budha Nagar, Uttar Pradesh, India.	583	i	Multi C-Si Modules	JPH-24x320 (320 Wp)	PREL-340Wp		72 (Full Cells)	1500	17.08.2021	16.08.2023
							PREL-125Wp					
							JPH-24x305					
							JPH-24x310					
							JPH-24x315					
							JPH-24x320					
							JPH-24x325					
							JPH-24x330					
							JPH-24x335					
							JPH-24x250					
ii	Multi C-Si Modules	JPH-24x260 (260 Wp)	JPH-24x255		60 (Full Cells)	1500	17.08.2021	16.08.2023				
			JPH-24x260									

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
13	Himalayan Solar Pvt. Ltd.	HSIIDC Industrial Estate, Alipur Barwala, Panchkula, Haryana	41	i	Multi C-Si Modules	HIMSOL-00243 (300 Wp)	JH-595M		72 (Full Cells)	1000	29.09.2021	28.09.2023
							JH-600M					
				ii	Multi C-Si Modules	HIMSOL-30243 (330 Wp)	HIMSOL-85242		72 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-85243					
							HIMSOL-72					
				iii	Multi C-Si Modules	HIMSOL-60 (260 Wp)	HIMSOL-20243		60 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-25243					
							HIMSOL-30243					
				iv	Multi C-Si Modules	HIMSOL-75242 (275 Wp)	HIMSOL-35243		60 (Full Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-50242					
							HIMSOL-60					
				v	Multi C-Si Modules	HIMSOL-72/275 (275 Wp)	HIMSOL-65242		72 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-70242					
				vi	Multi C-Si Modules	HIMSOL-72/290 (290 Wp)	HIMSOL-75242		72 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-72/275					
							HIMSOL-72/280					
							HIMSOL-72/285					
				vii	Multi C-Si Modules	HIMSOL-72/260 (260 Wp)	HIMSOL-72/290		72 (Cut Cells)	1000	29.09.2021	28.09.2023
							HIMSOL-72/295					
							HIMSOL-72/300					
HIMSOL-72/250												
viii	Multi C-Si Modules	HIMSOL-24210 (210 Wp)	HIMSOL-72/255		48 (Full Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-72/260									
			HIMSOL-72/265									
ix	Multi C-Si Modules	HIMSOL-12155 (155 Wp)	HIMSOL-72/270		36 (Full Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-24200									
			HIMSOL-24210									
x	Multi C-Si Modules	HIMSOL-12120 (120 Wp)	HIMSOL-24220		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-12150									
			HIMSOL-12155									
xi	Multi C-Si Modules	HIMSOL-12105 (105 Wp)	HIMSOL-12160		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-12115									
			HIMSOL-12120									
xii	Multi C-Si Modules	HIMSOL-1285 (85 Wp)	HIMSOL-12125		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-12105									
xiii	Multi C-Si Modules	HIMSOL-1280 (80 Wp)	HIMSOL-12110		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1280									
xiv	Multi C-Si Modules	HIMSOL-1275 (75 Wp)	HIMSOL-1285		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1280									
xv	Multi C-Si Modules	HIMSOL-1265 (65 Wp)	HIMSOL-1275		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1265									
xvi	Multi C-Si Modules	HIMSOL-1260 (60 Wp)	HIMSOL-1265		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1260									
xvii	Multi C-Si Modules	HIMSOL-1255 (55 Wp)	HIMSOL-1260		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1255									
xviii	Multi C-Si Modules	HIMSOL-1250 (50 Wp)	HIMSOL-1255		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1250									
xix	Multi C-Si Modules	HIMSOL-1240 (40 Wp)	HIMSOL-1250		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-1240									
xx	Multi C-Si Modules.	HIMSOL-40243 (340Wp)	HIMSOL-1240		72 (Full Cells)	1000	29.09.2021	28.09.2023				
			HIMSOL-40243									
14	Sun N Sand Exim (India) Pvt. Ltd.	HSIIDC Industrial Estate, Bahadurgarh, Distt-Jhajjar, Haryana	40	i	Multi C-Si Modules	SNS72FP325Wp (325 Wp)	SNS72FP310Wp		72 (Full Cells)	1500	29.09.2021	28.09.2023
							SNS72FP315Wp					
							SNS72FP320Wp					
							SNS72FP325Wp					
							SNS72FP330Wp					
							SNS72FP335Wp					
				ii	Multi C-Si Modules	SNS60FP260Wp (260 Wp)	SNS72FP340Wp		60 (Full Cells)	1500	29.09.2021	28.09.2023
							SNS60FP250Wp					
							SNS60FP255Wp					
				iii	Multi C-Si Modules	SNS36FP160Wp (160 Wp)	SNS60FP260Wp		36 (Full Cells)	600	29.09.2021	28.09.2023
							SNS60FP265Wp					
							SNS60FP270Wp					
			SNS36FP155Wp									
			SNS36FP160Wp									
			SNS36FP165Wp									

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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				
				iv	Multi C-Si Modules	SNS36CP115Wp (115 Wp)	SNS36CP110Wp SNS36CP115Wp SNS36CP120Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				v	Multi C-Si Modules	SNS36CP100Wp (100 Wp)	SNS36CP100Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				vi	Multi C-Si Modules	SNS36CP080Wp (80 Wp)	SNS36CP080Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				vii	Multi C-Si Modules	SNS36CP075Wp (75 Wp)	SNS36CP075Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				viii	Multi C-Si Modules	SNS36CP060Wp (60 Wp)	SNS36CP060Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				ix	Multi C-Si Modules	SNS36CP050Wp (50 Wp)	SNS36CP050Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				x	Multi C-Si Modules	SNS36CP040Wp (40 Wp)	SNS36CP040Wp		36 (Cut Cells)	600	29.09.2021	28.09.2023				
				15	Insolation Energy Pvt. Ltd	Khasra No 766/2, VIII-Bagwara, Teh-Amer Jaipur, Rajasthan	98	i	Multi C-Si Modules	INA72P325 (325 Wp)	INA72P315 INA72P320 INA72P325 INA72P330		72 (Full Cells)	1500	29.09.2021	28.09.2023
								ii	Multi C-Si Modules	INA60P265 (265 Wp)	INA60P260 INA60P265 INA60P270 INA60P275		60 (Full Cells)	1000	29.09.2021	28.09.2023
								iii	Multi C-Si Modules	INA36P160 (160 Wp)	INA36P155 INA36P160 INA36P165		36 (Full Cells)	1000	29.09.2021	28.09.2023
				iv	Mono PERC C-Si Modules	INA72MP365 (365 Wp)	INA72MP360 INA72MP365 INA72MP370 INA72MP375		72 (Full Cells)	1500	29.09.2021	28.09.2023				
				v	Multi C-Si Modules	INA72P335, (335 Wp)	LGV24VS330W LFV24VS330W INA72P335 LGV24VS335W LFV24VS335W INA72P340 LGV24VS340W LFV24VS340W		72 (Full Cells)	1500	29.09.2021	28.09.2023				
				vi	Mono PERC C-Si Modules	INA72MP385, (385 Wp)	INA72MP380 LGV24VS380WM LFV24VS380WM INA72MP385 LGV24VS385WM LFV24VS385WM INA72MP390 LGV24VS390WM LFV24VS390WM INA72MP395 LGV24VS395WM LFV24VS395WM		72 (Full Cells)	1500	29.09.2021	28.09.2023				
				vii	Multi C-Si Modules	INA66P305, (305 Wp)	INA66P300 LGV24VS300W6 LFV24VS300W6 INA66P305 LGV24VS305W6 LFV24VS305W6 INA66P310 LGV24VS310W6 LFV24VS310W6		66 (Full Cells)	1500	29.09.2021	28.09.2023				
				viii	Multi C-Si Modules	INA48P210, (210 Wp)	INA48P200 LGV24VS200W LFV24VS200W INA48P205 LGV24VS205W LFV24VS205W INA48P210 LGV24VS210W LFV24VS210W		48 (Full Cells)	1500	29.09.2021	28.09.2023				

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
							INA48P215					
							LGV24VS215W					
				ix	Multi C-Si Modules	INA36P37, (37 Wp)	LFV24VS215W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							INA36P37					
				x	Multi C-Si Modules	INA36P40, (40 Wp)	LGV12VS37		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							LFV12VS37					
				xi	Multi C-Si Modules	INA36P45, (45 Wp)	INA36P40		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							LGV12VS40W					
				xii	Multi C-Si Modules	INA36P50, (50 Wp)	LFV12VS40W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							INA36P45					
				xiii	Multi C-Si Modules	INA36P55, (55 Wp)	LGV12VS45W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							LFV12VS45W					
				xiv	Multi C-Si Modules	INA36P60, (60 Wp)	INA36P50		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							LGV12VS50W					
				xv	Multi C-Si Modules	INA36P75, (75 Wp)	LFV12VS50W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							INA36P55					
				xvi	Multi C-Si Modules	INA36P80, (80 Wp)	LGV12VS55W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							LFV12VS55W					
				xvii	Multi C-Si Modules	INA36P85, (85 Wp)	INA36P60		36 (Cut Cells)	1000	29.09.2021	28.09.2023
							LGV12VS60W					
xviii	Multi C-Si Modules	INA36P105, (105 Wp)	LFV12VS60W		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			INA36P75									
xix	Multi C-Si Modules	INA36P120, (120 Wp)	LGV12VS75W		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			LFV12VS75W									
xx	Multi C-Si Modules	INA36P130, (130 Wp)	INA36P80		36 (Cut Cells)	1000	29.09.2021	28.09.2023				
			LGV12VS80W									
i	Multi C-Si Modules	PIL-72P-325 (325Wp)	LFV12VS80W		72 (Full Cells)	1500	29.09.2021	28.09.2023				
			INA36P85									
ii	Mono PERC C-Si Modules	PIL-72M-395 (395Wp)	LGV12VS85W		72 (Full Cells)	1500	29.09.2021	28.09.2023				
			LFV12VS85W									
			INA36P100									
			LGV12VS100W									
			LFV12VS100W									
			INA36P105									
			LGV12VS105W									
			LFV12VS105W									
			INA36P110									
			LGV12VS110W									
			LFV12VS110W									
			INA36P115									
			LGV12VS115W									
			LFV12VS115W									
			INA36P120									
			LGV12VS120W									
			LFV12VS120W									
			INA36P125									
			LGV12VS125W									
			LFV12VS125W									
			INA36P130									
			LGV12VS130W									
			LFV12VS130W									
			INA36P135									
			LGV12VS135W									
			LFV12VS135W									
16	Pennar Industries Ltd.	Chandpur, Sadasivapet, Sangareddy, Telangana	75	i	Multi C-Si Modules	PIL-72P-325 (325Wp)	PIL-72P-315		72 (Full Cells)	1500	29.09.2021	28.09.2023
							PIL-72P-320					
							PIL-72P-325					
							PIL-72P-330					
							PIL-72P-335					
							PIL-72M-380					
							PIL-72M-385					
							PIL-72M-390					

List of Manufacturers and Models of Solar PV Modules Enlisted under ALMM Order (As on 31.05.2023)

S. No.	Name of the Manufacturer	Location of Manufacturing Facility	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
							PIL-72M-395 PIL-72M-400					
17	GreenBrilliance Renewable Energy LLP.	GIDC Estate, Waghodia, Vadodara, Gujarat	50	i	Multi C-Si Modules	GBPLC-36-040-12 (40Wp)	GBPLC-36-040-12		36 (Cut Cells)	600	29.09.2021	28.09.2023
				ii	Multi C-Si Modules	GBPLC-36-075-12 (75Wp)	GBPLC-36-075-12		36 (Cut Cells)	600	29.09.2021	28.09.2023
				iii	Multi C-Si Modules	GBPLC-36-100-12 (100Wp)	GBPLC-36-100-12		36 (Cut Cells)	600	29.09.2021	28.09.2023
				iv	Multi C-Si Modules	GBPLF-36-165-12 (165Wp)	GBPLC-36-160-12		36 (Full Cells)	600	29.09.2021	28.09.2023
							GBPLC-36-165-12					
							GBPLC-36-170-12					
				v	Multi C-Si Modules	GBPLF-72-340-24 (340Wp)	GBPLF-72-330-24		72 (Full Cells)	1000	29.09.2021	28.09.2023
							GBPLF-72-335-24					
							GBPLF-72-340-24					
							GBPLF-72-345-24					
GBPLF-72-350-24												
GBPLF-72-355-24												
vi	Mono C-Si Modules	GBMOF-72-365-24 (340Wp)	GBMOF-72-360-24		72 (Full Cells)	1000	29.09.2021	28.09.2023				
			GBMOF-72-365-24									
			GBMOF-72-370-24									
18	Sanelite Solar Pvt. Ltd.	Bhagalaxmi Industrial Estate, Rakanpur Taluka, Kalol Dist, Gandhinagar, Gujarat.	20	i	Multi C-Si Modules.	SS-72P340F (340Wp)	SS-72P330F		72 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-72P335F					
							SS-72P340F					
				ii	Multi C-Si Modules.	SS-72P315F (315Wp)	SS-72P300F		72 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-72P305F					
							SS-72P310F					
							SS-72P315F					
							SS-72P320F					
				iii	Multi C-Si Modules.	SS-60P285F (285Wp)	SS-72P325F		60 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-60P275F					
							SS-60P280F					
							SS-60P285F					
				iv	Multi C-Si Modules.	SS-60P260F (260Wp)	SS-60P290F		60 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-60P295F					
							SS-60P250F					
							SS-60P255F					
							SS-60P260F					
				v	Multi C-Si Modules.	SS-48P215F (215Wp)	SS-60P265F		48 (Full Cells)	1000	29.09.2021	28.09.2023
							SS-60P270F					
							SS-48P205F					
SS-48P210F												
SS-48P215F												
vi	Multi C-Si Modules.	SS-36P100C (100Wp)	SS-48P220F		36 (Cut Cells)	600	29.09.2021	28.09.2023				
			SS-48P225F									
vii	Multi C-Si Modules.	SS-36P75C (75Wp)	SS-36P100C		36 (Cut Cells)	600	29.09.2021	28.09.2023				
			SS-36P74C									
viii	Multi C-Si Modules.	SS-36P40C (40Wp)	SS-36P75C		36 (Cut Cells)	600	29.09.2021	28.09.2023				
			SS-36P40C									
ix	Multi C-Si Modules.	SS-36P160F (160Wp)	SS-36P155F		36 (Full Cells)	600	29.09.2021	28.09.2023				
			SS-36P160F									
			SS-36P165F									
19	Gautam Solar Pvt. Ltd.	Plot No-67-70, Sector-8A IIE, Sidcul Haridwar- 249403, Uttarakhand	228	i	Multi C-Si Modules	SSGS-72P300 (300Wp)	SSGS-72P285		72 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P290					
							SSGS-72P295					
							SSGS-72P300					
							SSGS-72P305					
				ii	Multi C-Si Modules	SSGS-72P325 (325Wp)	SSGS-72P310		72 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P315					
							SSGS-72P320					
							SSGS-72P325					
				iii	Multi C-Si Modules	SSGS-66P250 (250Wp)	SSGS-72P330		66 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-72P335					
				iv	Multi C-Si Modules	SSGS-66P270 (270Wp)	SSGS-66P250		66 (Full Cells)	1000	29.09.2021	28.09.2023
							SSGS-66P260					
						SSGS-66P270						