

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: 20th September, 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. 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%

3. 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%.

4. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 was last updated on 01.09.2023.

5. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is hereby further revised and the Revision-XVII 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. This issues with the approval of competent authority.



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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 20.09.2023)

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	Emmvee Photovoltaic Power Pvt. Ltd.	#13/1, International Airport Road (Bellary Road), Bettahalasuru Post, Bengaluru-562157, Karnataka	512	i	Mono C-Si PERC Modules	E390M72 (390 Wp)	E385M72	19.20	72 (Full Cells)	1500	10.03.2023	09.03.2027				
							E390M72	19.45								
							E395M72	19.70								
				ii	Mono C-Si PERC Modules	E325M60 (325 Wp)	E320M60	19.04	60 (Full Cells)	1500	10.03.2023	09.03.2027				
							E325M60	19.34								
							E330M60	19.64								
2	M/s Sova Solar Ltd.	Layout Plot No: 25, E.P.I.P, Banskopa, Durgapur 713212, West Bengal, India.	532	i	Mono C-Si PERC Modules	SS535144HCMP (535Wp)	SS520144HCMP	20.16	144 (Half-Cut Cells)	1500	10.03.2023	09.03.2027				
							SS525144HCMP	20.35								
							SS530144HCMP	20.54								
							SS535144HCMP	20.74								
							SS540144HCMP	20.93								
							SS545144HCMP	21.13								
							SS550144HCMP	21.32								
							SS555144HCMP	21.51								
							ii	Mono C-Si PERC Bifacial Modules					SS535144HCBP (535Wp)	SS520144HCBP	20.16	144 (Half-Cut Cells)
				SS525144HCBP	20.35											
				SS530144HCBP	20.54											
				SS535144HCBP	20.74											
				SS540144HCBP	20.93											
				SS545144HCBP	21.13											
				SS550144HCBP	21.32											
				SS555144HCBP	21.51											
				3	M/s Solex Energy Ltd	Plot No. 131/A Phase-1, G.I.D.C, Vitthal Udyog Nagar, Anand, Gujarat			21	i	Mono C-Si PERC Modules	SESM24375 (375 Wp)		SESM24370	19.04	
							SESM24375	19.30								
SESM24380	19.55															
ii	Mono C-Si PERC Modules	SES20CM120W320 (320 Wp)	SES20CM120W320				19.21	120 (Half Cells)		1000	10.03.2023	09.03.2027				
			SES24CM144W375				19.01									
iii	Mono C-Si PERC Modules	SES24CM144W380 (380 Wp)	SES24CM144W380				19.30	144 (Half Cells)		1000	10.03.2023	09.03.2027				
			SES24CM144W385	19.51												
4	Saatvik Green Energy Pvt. Ltd.	Village Dubli, Tehsil- Barara, Dist- Ambala -133101, Haryana	566	i	Mono C-Si PERC Modules	SGE 190-36M (190 Wp)	SGE 190-36M	19.11	36 (Full Cells)	1000	10.03.2023	09.03.2027				
				ii	Mono C-Si PERC Modules	SGE 255-48M (255 Wp)	SGE 255-48M	19.37	48 (Full Cells)	1000	10.03.2023	09.03.2027				
				iii	Mono C-Si PERC Modules	SGE 285-54M (285 Wp)	SGE 280-54M	19.15	54 (Full Cells)	1000	10.03.2023	09.03.2027				
							SGE 285-54M	19.49								
				iv	Mono C-Si PERC Modules	SGE 315-60M (315 Wp)	SGE 310-60M	19.08	60 (Full Cells)	1500	10.03.2023	09.03.2027				
							SGE 315-60M	19.41								
				v	Mono C-Si PERC Modules	SGE 375-72M (375 Wp)	SGE 370-72M	19.09	72 (Full Cells)	1500	10.03.2023	09.03.2027				
							SGE 375-72M	19.35								
							SGE 380-72M	19.61								
				vi	Mono C-Si PERC Modules	SGE570-156MHC, (570 Wp)	SGE555-156MHC	19.78	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027				
							SGE560-156MHC	19.96								
							SGE565-156MHC	20.14								
							SGE570-156MHC	20.32								
							SGE575-156MHC	20.50								
							SGE580-156MHC	20.67								
							SGE585-156MHC	20.85								
				vii	Mono C-Si PERC Modules	SGE530-144MHC, (530 Wp)	SGE590-156MHC	21.03	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027				
							SGE520-144MHC	20.13								
							SGE525-144MHC	20.32								
							SGE530-144MHC	20.52								
							SGE535-144MHC	20.70								
							SGE540-144MHC	20.90								
SGE545-144MHC	21.10															
viii	Mono C-Si PERC Modules	SGE485-132MHC, (485 Wp)	SGE550-144MHC	21.29	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027								
			SGE470-132MHC	19.78												
			SGE475-132MHC	20.01												
			SGE480-132MHC	20.23												
			SGE485-132MHC	20.41												
			SGE490-132MHC	20.63												
			SGE495-132MHC	20.84												
ix	Mono C-Si PERC Modules	SGE440-120MHC (440 Wp)	SGE500-132MHC	21.05	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027								
			SGE420-120MHC	19.37												
			SGE425-120MHC	19.60												
			SGE430-120MHC	19.83												
			SGE435-120MHC	20.06												

							SGE440-120MHC	20.29	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							SGE445-120MHC	20.52				
							SGE450-120MHC	20.76	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							SGE455-120MHC	20.99				
							SGE380-108MHC	19.44	72 (Full Cell)	1500	10.03.2023	09.03.2027
							SGE385-108MHC	19.69				
							SGE390-108MHC	19.95	72 (Full Cell)	1500	10.03.2023	09.03.2027
							SGE395-108MHC	20.20				
							SGE400-108MHC	20.46	72 (Full Cell)	1500	10.03.2023	09.03.2027
							SGE405-108MHC	20.71				
							SGE410-108MHC	20.98	72 (Full Cell)	1500	10.03.2023	09.03.2027
							SGE 385-72M	19.22				
							SGE 390-72M	19.47	72 (Full Cell)	1500	10.03.2023	09.03.2027
							SGE 395-72M	19.72				
							SGE 400-72M	19.97	72 (Full Cell)	1500	10.03.2023	09.03.2027
							NSM370	19.07				
5	Navitas Green Solutions Pvt. Ltd.	Plot No. B-20/3, Road No. 13, 14, Palsana-Baleswar Rd, Hoziwala Industrial Estate, Sachin, Surat-394230, Gujarat	250				NSM375	19.33	72 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM380	19.58				
							NSM310-60	19.09	60 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM315-60	19.40				
							NSM320-60	19.71	60 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM325-60	20.02				
							NSM330-60	20.33	66 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM340-66	19.03				
							NSM345-66	19.31	66 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM350-66	19.59				
							NSM355-66	19.87	66 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM570-156	20.39				
							NSM575-156	20.57	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM580-156	20.74				
							NSM585-156	20.92	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM525-144	20.32				
							NSM530-144	20.51	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM535-144	20.71				
							NSM540-144	20.90	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM545-144	21.09				
							NSM550-144	21.29	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM555-144	21.48				
							NSM560-144	21.67	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM480-132	20.21				
							NSM485-132	20.42	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM490-132	20.64				
							NSM495-132	20.85	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM500-132	21.06				
							NSM435-120	20.09	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM440-120	20.33				
							NSM445-120	20.56	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM450-120	20.79				
							NSM455-120	21.02	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM390-108	19.96				
							NSM395-108	20.21	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM400-108	20.47				
							NSM405-108	20.72	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM410-108	20.98				
							NSM350-96	20.06	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM355-96	20.35				
							NSM360-96	20.64	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM365-96	20.92				
							NSM260-72	19.62	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM265-72	20.00				
							NSM270-72	20.38	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM275-72	20.76				
							NSM460-156	19.65	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM465-156	19.86				
							NSM470-156	20.07	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM475-156	20.29				
							NSM480-156	20.50	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM485-156	20.72				
							NSM435-144	20.08	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM440-144	20.32				
							NSM445-144	20.78	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM445-144	20.78				

				xii	Mono PERC C-Si Module	NSM450-144 (450 Wp)	NSM450-144 NSM455-144 NSM460-144 NSM465-144 NSM395-132 NSM400-132	20.55 21.01 21.64 21.47 19.85 20.10	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
				xiii	Mono PERC C-Si Module	NSM405-132 (405 Wp)	NSM405-132 NSM410-132 NSM415-132	20.35 20.60 20.85	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
				xiv	Mono PERC C-Si Module	NSM370-120 (370 Wp)	NSM360-120 NSM365-120 NSM370-120 NSM375-120	19.84 20.11 20.39 20.66	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
				xv	Mono PERC C-Si Module	NSM330-108 (330 Wp)	NSM320-108 NSM325-108 NSM330-108 NSM335-108	19.52 19.82 20.13 20.43	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
				xvi	Mono PERC C-Si Module	NSM290-96 (290 Wp)	NSM340-108 NSM285-96 NSM290-96 NSM295-96	20.74 19.47 19.81 20.15	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027
				xvii	Mono PERC C-Si Module	NSM220-72 (220 Wp)	NSM300-96 NSM215-72 NSM220-72 NSM225-72	20.49 19.32 19.77 20.22	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027
				xviii	Mono PERC C-Si Module	NSM395 (395 Wp)	NSM385 NSM390 NSM395 NSM400	19.40 19.65 19.90 20.15	72 (Full Cells)	1500	10.03.2023	09.03.2027
6	Jakson Engineers Ltd.	Plot No-25, Ecotech-III, Udyog Kendra, Greater NOIDA-201306, Gautam Budha Nagar, Uttar Pradesh, India.	500	i	Mono C-Si PERC Modules	JH-440M, (440Wp)	JH-420M JH-425M JH-430M JH-435M JH-440M JH-445M JH-450M JH-455M	19.26 19.49 19.71 19.94 20.17 20.40 20.63 20.86	120 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
				ii	Mono C-Si PERC Modules	JH-490M, (490Wp)	JH-460M JH-470M JH-475M JH-480M JH-485M JH-490M JH-495M JH-500M JH-505M JH-510M	21.09 19.66 19.87 20.08 20.29 20.50 20.71 20.92 21.13 21.34	132 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
				iii	Mono C-Si PERC Modules	JH-535M, (535Wp)	JH-515M JH-520M JH-525M JH-530M JH-535M JH-540M JH-545M JH-550M JH-555M	19.85 20.04 20.23 20.43 20.62 20.81 21.00 21.20 21.39	144 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
				iv	Mono C-Si PERC Modules	JH-580M, (580Wp)	JH-560M JH-565M JH-570M JH-575M JH-580M JH-585M JH-590M JH-595M JH-600M	19.96 20.14 20.31 20.49 20.67 20.85 21.03 21.21 21.38	156 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
				v	Mono C-Si PERC Modules	JP-H395M, (385Wp-405Wp)	JP-H385M JP-H390M JP-H395M JP-H400M JP-H405M JH-380M JH-385M JH-390M	19.37 19.62 19.87 20.12 20.37 19.28 19.53 19.79	72 (Full Cells)	1500	17.08.2023	16.08.2027

				vi	Mono C-Si PERC Modules	JH-580M, (580Wp)	JH-395M 20.04 JH-400M 20.29 JH-405M 20.55 JH-410M 20.88 JH-415M 21.06	108 (Half-Cut Cells)	1500	17.08.2023	16.08.2027				
7	Himalayan Solar Pvt. Ltd.	HSIIDC Industrial Estate, Alipur Barwala, Panchkula, Haryana	41	i	Multi C-Si Modules	HIMSOL-00243 (300 Wp)	HIMSOL-85242 HIMSOL-85243 HIMSOL-72 HIMSOL-20243	72 (Full Cells)	1000	29.09.2021	28.09.2023				
				ii	Multi C-Si Modules	HIMSOL-30243 (330 Wp)	HIMSOL-25243 HIMSOL-30243 HIMSOL-35243 HIMSOL-50242 HIMSOL-60	72 (Full Cells)	1000	29.09.2021	28.09.2023				
				iii	Multi C-Si Modules	HIMSOL-60 (260 Wp)	HIMSOL-65242 HIMSOL-70242	60 (Full Cells)	1000	29.09.2021	28.09.2023				
				iv	Multi C-Si Modules	HIMSOL-75242 (275 Wp)	HIMSOL-75242	60 (Full Cells)	1000	29.09.2021	28.09.2023				
				v	Multi C-Si Modules	HIMSOL-72/275 (275 Wp)	HIMSOL-72/275	72 (Cut Cells)	1000	29.09.2021	28.09.2023				
				vi	Multi C-Si Modules	HIMSOL-72/290 (290 Wp)	HIMSOL-72/280 HIMSOL-72/285 HIMSOL-72/290 HIMSOL-72/295 HIMSOL-72/300	72 (Cut Cells)	1000	29.09.2021	28.09.2023				
				vii	Multi C-Si Modules	HIMSOL-72/260 (260 Wp)	HIMSOL-72/250 HIMSOL-72/255 HIMSOL-72/260 HIMSOL-72/265 HIMSOL-72/270	72 (Cut Cells)	1000	29.09.2021	28.09.2023				
				viii	Multi C-Si Modules	HIMSOL-24210 (210 Wp)	HIMSOL-24200 HIMSOL-24210 HIMSOL-24220	48 (Full Cells)	1000	29.09.2021	28.09.2023				
				ix	Multi C-Si Modules	HIMSOL-12155 (155 Wp)	HIMSOL-12150 HIMSOL-12155 HIMSOL-12160	36 (Full Cells)	1000	29.09.2021	28.09.2023				
				x	Multi C-Si Modules	HIMSOL-12120 (120 Wp)	HIMSOL-12115 HIMSOL-12120 HIMSOL-12125	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xi	Multi C-Si Modules	HIMSOL-12105 (105 Wp)	HIMSOL-12100 HIMSOL-12105 HIMSOL-12110	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xii	Multi C-Si Modules	HIMSOL-1285 (85 Wp)	HIMSOL-1285	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xiii	Multi C-Si Modules	HIMSOL-1280 (80 Wp)	HIMSOL-1280	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xiv	Multi C-Si Modules	HIMSOL-1275 (75 Wp)	HIMSOL-1275	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xv	Multi C-Si Modules	HIMSOL-1265 (65 Wp)	HIMSOL-1265	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xvi	Multi C-Si Modules	HIMSOL-1260 (60 Wp)	HIMSOL-1260	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xvii	Multi C-Si Modules	HIMSOL-1255 (55 Wp)	HIMSOL-1255	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xviii	Multi C-Si Modules	HIMSOL-1250 (50 Wp)	HIMSOL-1250	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xix	Multi C-Si Modules	HIMSOL-1240 (40 Wp)	HIMSOL-1240	36 (Cut Cells)	1000	29.09.2021	28.09.2023				
				xx	Multi C-Si Modules	HIMSOL-40243 (340Wp)	HIMSOL-40243	72 (Full Cells)	1000	29.09.2021	28.09.2023				
				8	Sun N Sand Exim (India) Pvt. Ltd.	HSIIDC Industrial Estate, Bahadurgarh, Distt-Jhajjar, Haryana	40	i	Multi C-Si Modules	SNS72FP325Wp (325 Wp)	SNS72FP310Wp SNS72FP315Wp SNS72FP320Wp SNS72FP325Wp SNS72FP330Wp SNS72FP335Wp SNS72FP340Wp SNS60FP250Wp	72 (Full Cells)	1500	29.09.2021	28.09.2023
								ii	Multi C-Si Modules	SNS60FP260Wp (260 Wp)	SNS60FP255Wp SNS60FP260Wp SNS60FP265Wp SNS60FP270Wp	60 (Full Cells)	1500	29.09.2021	28.09.2023
iii	Multi C-Si Modules	SNS36FP160Wp (160 Wp)	SNS36FP155Wp SNS36FP160Wp SNS36FP165Wp					36 (Full Cells)	600	29.09.2021	28.09.2023				
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				

9	Insolation Energy Pvt. Ltd	Khasra No 766/2, Vill-Bagwara, Teh-Amer Jaipur, Rajasthan	174	i	Multi C-Si Modules	INA72P325 (325 Wp)	INA72P315 INA72P320 INA72P325 INA72P330 INA60P260	72 (Full Cells)	1500	29.09.2021	28.09.2023
				ii	Multi C-Si Modules	INA60P265 (265 Wp)	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)	LGV24V5330W LFV24V5330W INA72P335 LGV24V5335W LFV24V5335W INA72P340 LGV24V5340W LFV24V5340W	72 (Full Cells)	1500	29.09.2021	28.09.2023
				vi	Mono PERC C-Si Modules	INA72MP385, (385 Wp)	INA72MP380 LGV24V5380WM LFV24V5380WM INA72MP385 LGV24V5385WM LFV24V5385WM INA72MP390 LGV24V5390WM LFV24V5390WM INA72MP395 LGV24V5395WM LFV24V5395WM	72 (Full Cells)	1500	29.09.2021	28.09.2023
				vii	Multi C-Si Modules	INA66P305, (305 Wp)	INA66P300 LGV24V5300W6 LFV24V5300W6 INA66P305 LGV24V5305W6 LFV24V5305W6 INA66P310 LGV24V5310W6 LFV24V5310W6	66 (Full Cells)	1500	29.09.2021	28.09.2023
				viii	Multi C-Si Modules	INA48P210, (210 Wp)	INA48P200 LGV24V5200W LFV24V5200W INA48P205 LGV24V5205W LFV24V5205W INA48P210 LGV24V5210W LFV24V5210W INA48P215 LGV24V5215W LFV24V5215W	48 (Full Cells)	1500	29.09.2021	28.09.2023
				ix	Multi C-Si Modules	INA36P37, (37 Wp)	INA36P37 LGV12V537 LFV12V537	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				x	Multi C-Si Modules	INA36P40, (40 Wp)	INA36P40 LGV12V540W LFV12V540W	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xi	Multi C-Si Modules	INA36P45, (45 Wp)	INA36P45 LGV12V545W LFV12V545W	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xii	Multi C-Si Modules	INA36P50, (50 Wp)	INA36P50 LGV12V550W LFV12V550W	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xiii	Multi C-Si Modules	INA36P55, (55 Wp)	INA36P55 LGV12V555W LFV12V555W	36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xiv	Multi C-Si Modules	INA36P60, (60 Wp)	INA36P60 LGV12V560W LFV12V560W	36 (Cut Cells)	1000	29.09.2021	28.09.2023

				xv	Multi C-Si Modules	INA36P75, (75 Wp)	INA36P75 LGV12VS75W LFV12VS75W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xvi	Multi C-Si Modules	INA36P80, (80 Wp)	INA36P80 LGV12VS80W LFV12VS80W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xvii	Multi C-Si Modules	INA36P85, (85 Wp)	INA36P85 LGV12VS85W LFV12VS85W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xviii	Multi C-Si Modules	INA36P105, (105 Wp)	INA36P100 LGV12VS100W LFV12VS100W INA36P105 LGV12VS105W LFV12VS105W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xix	Multi C-Si Modules	INA36P120, (120 Wp)	INA36P110 LGV12VS110W LFV12VS110W INA36P115 LGV12VS115W LFV12VS115W INA36P120 LGV12VS120W LFV12VS120W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xx	Multi C-Si Modules	INA36P130, (130 Wp)	INA36P125 LGV12VS125W LFV12VS125W INA36P130 LGV12VS130W LFV12VS130W INA36P135 LGV12VS135W LFV12VS135W		36 (Cut Cells)	1000	29.09.2021	28.09.2023
				xxi	Mono c-Si PERC Module	INA72MP375		19.23	72 (Full Cells)	1500	29.09.2023	28.09.2027
				xxii	Mono c-Si PERC Module	INA72MP385		19.80 19.55 19.30 19.05	72 (Full Cells)	1500	29.09.2023	28.09.2027
10	Pennar Industries Ltd.	Chandpur, Sadasivapet, Sangareddy, Telangana	75	i	Multi C-Si Modules	PIL-72P-325 (325Wp)			72 (Full Cells)	1500	29.09.2021	28.09.2023
				ii	Mono PERC C-Si Modules	PIL-72M-395 (395Wp)			72 (Full Cells)	1500	29.09.2021	28.09.2023
11	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 GBPLC-36-165-12 GBPLC-36-170-12	36 (Full Cells)	600	29.09.2021	28.09.2023
				v	Multi C-Si Modules	GBPLF-72-340-24 (340Wp)		GBPLF-72-330-24 GBPLF-72-335-24 GBPLF-72-340-24 GBPLF-72-345-24 GBPLF-72-350-24 GBPLF-72-355-24	72 (Full Cells)	1000	29.09.2021	28.09.2023
				vi	Mono C-Si Modules	GBMOF-72-365-24 (340Wp)		GBMOF-72-360-24 GBMOF-72-365-24 GBMOF-72-370-24	72 (Full Cells)	1000	29.09.2021	28.09.2023
12	Sanelite Solar Pvt. Ltd.	Bhagalaxmi Industrial Estate, Rakanpur Taluka, Kalol Dist, Gandhinagar, Gujarat.	20	i	Multi C-Si Modules.	SS-72P340F (340Wp)		SS-72P330F SS-72P335F SS-72P340F	72 (Full Cells)	1000	29.09.2021	28.09.2023
				ii	Multi C-Si Modules.	SS-72P315F (315Wp)		SS-72P300F SS-72P305F SS-72P310F SS-72P315F SS-72P320F SS-72P325F	72 (Full Cells)	1000	29.09.2021	28.09.2023
				iii	Multi C-Si Modules.	SS-60P285F (285Wp)		SS-60P275F SS-60P280F SS-60P285F	60 (Full Cells)	1000	29.09.2021	28.09.2023

					SS-60P290F								
					SS-60P295F								
				iv	Multi C-Si Modules.	SS-60P260F (260Wp)			60 (Full Cells)	1000	29.09.2021	28.09.2023	
				v	Multi C-Si Modules.	SS-48P215F (215Wp)			48 (Full Cells)	1000	29.09.2021	28.09.2023	
				vi	Multi C-Si Modules.	SS-36P100C (100Wp)			36 (Cut Cells)	600	29.09.2021	28.09.2023	
				vii	Multi C-Si Modules.	SS-36P75C (75Wp)			36 (Cut Cells)	600	29.09.2021	28.09.2023	
				viii	Multi C-Si Modules.	SS-36P40C (40Wp)			36 (Cut Cells)	600	29.09.2021	28.09.2023	
				ix	Multi C-Si Modules.	SS-36P160F (160Wp)			36 (Full Cells)	600	29.09.2021	28.09.2023	
13	Gautam Solar Pvt. Ltd.	Plot No-67-70, Sector-8A IIE, Sidcul Haridwar- 249403, Uttarakhand	319	i	Multi C-Si Modules	SSGS-72P300 (300Wp)			72 (Full Cells)	1000	29.09.2021	28.09.2023	
				ii	Multi C-Si Modules	SSGS-72P325 (325Wp)			72 (Full Cells)	1000	29.09.2021	28.09.2023	
				iii	Multi C-Si Modules	SSGS-66P250 (250Wp)			66 (Full Cells)	1000	29.09.2021	28.09.2023	
				iv	Multi C-Si Modules	SSGS-66P270 (270Wp)			66 (Full Cells)	1000	29.09.2021	28.09.2023	
				v	Multi C-Si Modules	SSGS-66P295 (295Wp)			66 (Full Cells)	1000	29.09.2021	28.09.2023	
				vi	Multi C-Si Modules	SSGS-60P260 (260Wp)			60 (Full Cells)	1000	29.09.2021	28.09.2023	
				vii	Multi C-Si Modules	SSGS-60P275 (275Wp)			60 (Full Cells)	1000	29.09.2021	28.09.2023	
				viii	Multi C-Si Modules	SSGS-60P290 (290Wp)			60 (Full Cells)	1000	29.09.2021	28.09.2023	
				ix	Multi C-Si Modules	SSGS-54P230 (230Wp)			54 (Full Cells)	1000	29.09.2021	28.09.2023	
				x	Multi C-Si Modules	SSGS-48P195 (195Wp)			48 (Full Cells)	1000	29.09.2021	28.09.2023	
				xi	Multi C-Si Modules	SSGS-48P215 (215Wp)			48 (Full Cells)	1000	29.09.2021	28.09.2023	
				xii	Multi C-Si Modules	SSGS-42P185 (185Wp)			42 (Full Cells)	1000	29.09.2021	28.09.2023	
				xiii	Multi C-Si Modules	SSGS-42P195 (195Wp)			42 (Full Cells)	1000	29.09.2021	28.09.2023	
				xiv	Multi C-Si Modules	SSGS-36P155 (155Wp)			36 (Full Cells)	1000	29.09.2021	28.09.2023	
				xv	Multi C-Si Modules	SSGS-36P165 (165Wp)			36 (Full Cells)	1000	29.09.2021	28.09.2023	
				xvi	Multi C-Si Modules	SSGS-32P140 (140Wp)			32 (Full Cells)	1000	29.09.2021	28.09.2023	
				xvii	Multi C-Si Modules	SSGS-32P145 (140Wp)			32 (Full Cells)	1000	29.09.2021	28.09.2023	

SN	Module Description	Module Power (Wp)	Module Model	Module Type	Area (m ²)	Quantity	Start Date	End Date
xviii	Multi C-Si Modules	SSGS-36P25 (25Wp)	SSGS-36P24	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xix	Multi C-Si Modules	SSGS-36P30 (30Wp)	SSGS-36P25	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xx	Multi C-Si Modules	SSGS-36P35 (35Wp)	SSGS-36P30	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxi	Multi C-Si Modules	SSGS-36P37 (37Wp)	SSGS-36P35	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxii	Multi C-Si Modules	SSGS-36P40 (40Wp)	SSGS-36P37	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxiii	Multi C-Si Modules	SSGS-36P45 (45Wp)	SSGS-36P40	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxiv	Multi C-Si Modules	SSGS-36P50 (50Wp)	SSGS-36P45	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxv	Multi C-Si Modules	SSGS-36P55 (55Wp)	SSGS-36P50	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxvi	Multi C-Si Modules	SSGS-36P60 (60Wp)	SSGS-36P55	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxvii	Multi C-Si Modules	SSGS-36P65 (65Wp)	SSGS-36P60	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxviii	Multi C-Si Modules	SSGS-36P70 (70Wp)	SSGS-36P65	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxix	Multi C-Si Modules	SSGS-36P74 (74Wp)	SSGS-36P70	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxx	Multi C-Si Modules	SSGS-36P80 (80Wp)	SSGS-36P74	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxi	Multi C-Si Modules	SSGS-36P85 (85Wp)	SSGS-36P75	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxii	Multi C-Si Modules	SSGS-36P90 (90Wp)	SSGS-36P80	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxiii	Multi C-Si Modules	SSGS-36P95 (95Wp)	SSGS-36P85	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxiv	Multi C-Si Modules	SSGS-36P105 (105Wp)	SSGS-36P90	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxv	Multi C-Si Modules	SSGS-36P120 (120Wp)	SSGS-36P95	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxvi	Multi C-Si Modules	SSGS-36P135 (135Wp)	SSGS-36P100	36 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxvii	Multi C-Si Modules	SSGS-60P210 (210Wp)	SSGS-36P105	60 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxviii	Multi C-Si Modules	SSGS-60P235 (235Wp)	SSGS-36P110	60 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxix	Multi C-Si Modules	SSGS-72P210 (210Wp)	SSGS-36P115	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxx	Multi C-Si Modules	SSGS-72P235 (235Wp)	SSGS-36P120	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxi	Multi C-Si Modules	SSGS-72P260 (260Wp)	SSGS-36P125	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxii	Multi C-Si Modules	SSGS-72P280 (280Wp)	SSGS-36P130	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxiii	Multi C-Si Modules	SSGS-72P250/12V (250Wp)	SSGS-36P135	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxiv	Multi C-Si Modules	SSGS-72P200/12V (200Wp)	SSGS-36P140	72 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxv	Multi C-Si Modules	SSGS-120P260 (260Wp)	SSGS-60P200	120 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxvi	Multi C-Si Modules	SSGS-120P275 (275Wp)	SSGS-60P205	120 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxvii	Multi C-Si Modules	SSGS-120P290 (290Wp)	SSGS-60P210	120 (Cut Cells)	1000	29.09.2021	28.09.2023	
xxxxviii	Multi C-Si Modules	SSGS-144P315 (315Wp)	SSGS-60P215	144 (Cut Cells)	1000	29.09.2021	28.09.2023	
			SSGS-60P220					
			SSGS-60P225					
			SSGS-60P230					
			SSGS-60P235					
			SSGS-60P240					
			SSGS-60P245					
			SSGS-72P200					
			SSGS-72P205					
			SSGS-72P210					
			SSGS-72P215					
			SSGS-72P220					
			SSGS-72P225					
			SSGS-72P230					
			SSGS-72P235					
			SSGS-72P240					
			SSGS-72P245					
			SSGS-72P250					
			SSGS-72P255					
			SSGS-72P260					
			SSGS-72P265					
			SSGS-72P270					
			SSGS-72P275					
			SSGS-72P280					
			SSGS-72P250/12V					
			SSGS-72P200/12V					
			SSGS-120P250					
			SSGS-120P255					
			SSGS-120P260					
			SSGS-120P265					
			SSGS-120P270					
			SSGS-120P275					
			SSGS-120P280					
			SSGS-120P285					
			SSGS-120P290					
			SSGS-120P295					
			SSGS-120P300					
			SSGS-144P300					
			SSGS-144P305					
			SSGS-144P310					
			SSGS-144P315					

			SSGS-144P320					
			SSGS-144P325					
			SSGS-144P330					
xxxix	Multi C-Si Modules	SSGS-144P335 (335Wp)	SSGS-144P335		144 (Cut Cells)	1000	29.09.2021	28.09.2023
i	Mono PERC Bifacial C-Si Modules	G2XBifacial1695-HAD (535 Wp)	G2XBifacial1663-HAD		144 (Half Cut Cell)	1500	29.09.2021	28.09.2023
			G2XBifacial1669-HAD					
			G2XBifacial1676-HAD					
			G2XBifacial1682-HAD					
			G2XBifacial1689-HAD					
			G2XBifacial1695-HAD					
			G2XBifacial1702-HAD					
			G2XBifacial1708-HAD					
			G2XBifacial1715-HAD					
ii	Mono C-Si PERC Modules	G2X530-HAD (530 Wp)	G2X510-HAD		144 (Half Cut Cell)	1500	29.09.2021	28.09.2023
			G2X515-HAD					
			G2X520-HAD					
			G2X525-HAD					
			G2X530-HAD					
			G2X535-HAD					
			G2X540-HAD					
			G2X545-HAD					
			G2X550-HAD					
iii	Mono C-Si PERC Modules	G2X495-HAB (495 Wp)	G2X505-HAB		132 (Half Cut Cell)	1500	29.09.2021	28.09.2023
			G2X500-HAB					
			G2X495-HAB					
			G2X490-HAB					
			G2X485-HAB					
liii	Mono C-Si PERC Modules	G2X450-HAA (450 Wp)	G2X460-HAA		120 (Half Cut Cell)	1500	29.09.2021	28.09.2023
			G2X455-HAA					
			G2X450-HAA					
			G2X445-HAA					
			G2X440-HAA					
liv	Mono C-Si PERC Modules	G2X405-HAY (405 Wp)	G2X415-HAY		108 (Half Cut Cell)	1500	29.09.2021	28.09.2023
			G2X410-HAY					
			G2X405-HAY					
			G2X400-HAY					
			G2X390-HAY					
lv	Mono C-Si PERC Modules	G2X360-HAX (360 Wp)	G2X365-HAX		96 (Half Cut Cell)	1500	29.09.2021	28.09.2023
			G2X360-HAX					
			G2X355HAX					
			G2X350-HAX					
			GS-390-AAA					
lvi	Mono C-Si PERC Modules	GS-410-AAA (410 Wp)	GS-395-AAA		78 (Full Cell)	1500	29.09.2021	28.09.2023
			GS-400-AAA					
			GS-405-AAA					
			GS-410-AAA					
			GS-415-AAA					
			GS-420-AAA					
			GS-425-AAA					
			GS-430-AAA					
			GS-380-AAB					
lvii	Mono C-Si PERC Modules	GS-400-AAB (400 Wp)	GS-385-AAB		72 (Full Cell)	1500	29.09.2021	28.09.2023
			GS-390-AAB					
			GS-395-AAB					
			GS-400-AAB					
			GS-405-AAB					
			GS-410-AAB					
			GS-415-AAB					
			GS-420-AAB					
			GS-180-AAH					
lviii	Mono C-Si PERC Modules	GS-200-AAH (200 Wp)	GS-185-AAH		36 (Full Cell)	1500	29.09.2021	28.09.2023
			GS-190-AAH					
			GS-195-AAH					
			GS-200-AAH					
			GS-205-AAH					
			GS-210-AAH					
			SSGS-72P315					
lix	Multi C-Si Modules	SSGS-72P325 (325 Wp)	SSGS-72P320		72 (full Cell)	1000	29.09.2021	28.09.2023
			SSGS-72P322					
			SSGS-72P325					
			SSGS-72P330					
			SSGS-72P333					