

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: 29th April, 2024

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 10.04.2024.

5. The List – I (Manufacturers and Models of Solar PV Modules) of ALMM Order, 2019 is hereby further revised and the Revision-XXIV 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)
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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 29.04.2024)

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)
1	Emmvee Photovoltaic Power Pvt. Ltd.	#13/1, International Airport Road (Bellary Road), Bettahalasuru Post, Bengaluru-562157, Karnataka	R-62001074	512	i	Mono C-Si PERC Modules	E390M72 (390 Wp)	E385M72 E390M72 E395M72	19.20 19.45 19.70	72 (Full Cells)	1500	10.03.2023	09.03.2027
					ii	Mono C-Si PERC Modules	E325M60 (325 Wp)	E320M60 E325M60 E330M60	19.04 19.34 19.64	60 (Full Cells)	1500	10.03.2023	09.03.2027
2	M/s Sova Solar Ltd.	Layout Plot No: 25, E.P.I.P, Banskopa, Durgapur 713212, West Bengal, India.	R-51000590	532	i	Mono C-Si PERC Modules	SS535144HCMP (535Wp)	SS520144HCMP SS525144HCMP SS530144HCMP SS535144HCMP SS540144HCMP SS545144HCMP SS550144HCMP SS555144HCMP	20.16 20.35 20.54 20.74 20.93 21.13 21.32 21.51	144 (Half-Cut Cells)	1500	10.03.2023	09.03.2027
					ii	Mono C-Si PERC Bifacial Modules	SS535144HCBP (535Wp)	SS520144HCBP SS525144HCBP SS530144HCBP SS535144HCBP SS540144HCBP SS545144HCBP SS550144HCBP SS555144HCBP	20.16 20.35 20.54 20.74 20.93 21.13 21.32 21.51	144 (Half-Cut Cells)	1500	10.03.2023	09.03.2027
3	M/s Solex Energy Ltd	Plot No. 131/A Phase-1, G.I.D.C, Vitthal Udyog Nagar, Anand, Gujarat	R-72002577	21	i	Mono C-Si PERC Modules	SESM24375 (375 Wp)	SESM24370 SESM24375 SESM24380	19.04 19.30 19.55	72 (Full Cells)	1000	10.03.2023	09.03.2027
					ii	Mono C-Si PERC Modules	SES20CM120W320 (320 Wp)	SES20CM120W320	19.21	120 (Half Cells)	1000	10.03.2023	09.03.2027
					iii	Mono C-Si PERC Modules	SES24CM144W380 (380 Wp)	SES24CM144W375 SES24CM144W380 SES24CM144W385	19.01 19.30 19.51	144 (Half Cells)	1000	10.03.2023	09.03.2027
4	Saatvik Green Energy Pvt. Ltd.	Village Dubli, Tehsil- Barara, Dist- Ambala -133101, Haryana	R-91003670	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				
					vi	Mono C-Si PERC Modules	SGE570-156MHC, (570 Wp)	SGE 380-72M	19.61	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE555-156MHC	19.78				
								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									
viii	Mono C-Si PERC Modules	SGE485-132MHC, (485 Wp)	SGE545-144MHC	21.10	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			SGE550-144MHC	21.29									
			SGE470-132MHC	19.78									
			SGE475-132MHC	20.01									
			SGE480-132MHC	20.23									
			SGE485-132MHC	20.41									
			SGE490-132MHC	20.63									
			SGE495-132MHC	20.84									
			SGE500-132MHC	21.05									
			SGE420-120MHC	19.37									

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)
					ix	Mono C-Si PERC Modules	SGE440-120MHC, (440 Wp)	SGE425-120MHC	19.60	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE430-120MHC	19.83				
								SGE435-120MHC	20.06				
								SGE440-120MHC	20.29				
								SGE445-120MHC	20.52				
								SGE450-120MHC	20.76				
					x	Mono C-Si PERC Modules	SGE395-108MHC, (395 Wp)	SGE455-120MHC	20.99	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								SGE380-108MHC	19.44				
								SGE385-108MHC	19.69				
								SGE390-108MHC	19.95				
								SGE395-108MHC	20.20				
								SGE400-108MHC	20.46				
					xi	Mono C-Si PERC Modules	SGE 395-72M, (395 Wp)	SGE405-108MHC	20.71	72 (Full Cell)	1500	10.03.2023	09.03.2027
								SGE410-108MHC	20.98				
								SGE 385-72M	19.22				
								SGE 390-72M	19.47				
								SGE 395-72M	19.72				
								SGE 400-72M	19.97				
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	R-72003140	250	i	Mono C-Si PERC Modules	NSM375 (375 Wp)	NSM370	19.07	72 (Full Cells)	1500	10.03.2023	09.03.2027
								NSM375	19.33				
								NSM380	19.58				
					ii	Mono C-Si PERC Modules	NSM320-60 (320 Wp)	NSM310-60	19.09	60 (Full Cells)	1500	10.03.2023	09.03.2027
								NSM315-60	19.40				
								NSM320-60	19.71				
								NSM325-60	20.02				
								NSM330-60	20.33				
					iii	Mono C-Si PERC Modules	NSM350-66 (350 Wp)	NSM340-66	19.03	66 (Full Cells)	1500	10.03.2023	09.03.2027
								NSM345-66	19.31				
								NSM350-66	19.59				
					iv	Mono PERC C-Si Module	NSM580-156 (580 Wp)	NSM355-66	19.87	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								NSM570-156	20.39				
								NSM575-156	20.57				
					v	Mono PERC C-Si Module	NSM540-144 (540 Wp)	NSM580-156	20.74	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
								NSM585-156	20.92				
								NSM525-144	20.32				
								NSM530-144	20.51				
NSM535-144	20.71												
NSM540-144	20.90												
NSM545-144	21.09												
vi	Mono PERC C-Si Module	NSM500-132 (500 Wp)	NSM550-144	21.29	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			NSM555-144	21.48									
			NSM560-144	21.67									
			NSM480-132	20.21									
			NSM485-132	20.42									
vii	Mono PERC C-Si Module	NSM445-120 (445 Wp)	NSM490-132	20.64	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			NSM495-132	20.85									
			NSM500-132	21.06									
			NSM435-120	20.09									
			NSM440-120	20.33									
viii	Mono PERC C-Si Module	NSM400-108 (400 Wp)	NSM445-120	20.56	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			NSM450-120	20.79									
			NSM455-120	21.02									
			NSM390-108	19.96									
			NSM395-108	20.21									
ix	Mono PERC C-Si Module	NSM360-96 (360 Wp)	NSM400-108	20.47	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			NSM405-108	20.72									
			NSM410-108	20.98									
			NSM350-96	20.06									
			NSM355-96	20.35									
x	Mono PERC C-Si Module	NSM270-72 (270 Wp)	NSM360-96	20.64	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			NSM365-96	20.92									
			NSM260-72	19.62									
			NSM265-72	20.00									
			NSM270-72	20.38									
xi	Mono PERC C-Si Module	NSM470-156 (470 Wp)	NSM275-72	20.76	156 (Half Cut Cells)	1500	10.03.2023	09.03.2027					
			NSM460-156	19.65									
			NSM465-156	19.86									
			NSM470-156	20.07									
			NSM475-156	20.29									

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)
								NSM480-156	20.50				
								NSM485-156	20.72				
								NSM435-144	20.08				
								NSM440-144	20.32				
					xii	Mono PERC C-Si Module	NSM450-144 (450 Wp)	NSM445-144	20.78	144 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM450-144	20.55					
							NSM455-144	21.01					
							NSM460-144	21.64					
							NSM465-144	21.47					
							NSM395-132	19.85					
					xiii	Mono PERC C-Si Module	NSM405-132 (405 Wp)	NSM400-132	20.10	132 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM405-132	20.35					
							NSM410-132	20.60					
							NSM415-132	20.85					
							NSM360-120	19.84					
							NSM365-120	20.11					
					xiv	Mono PERC C-Si Module	NSM370-120 (370 Wp)	NSM370-120	20.39	120 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM375-120	20.66					
							NSM320-108	19.52					
							NSM325-108	19.82					
					xv	Mono PERC C-Si Module	NSM330-108 (330 Wp)	NSM330-108	20.13	108 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM335-108	20.43					
							NSM340-108	20.74					
							NSM285-96	19.47					
					xvi	Mono PERC C-Si Module	NSM290-96 (290 Wp)	NSM290-96	19.81	96 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM295-96	20.15					
							NSM300-96	20.49					
							NSM215-72	19.32					
					xvii	Mono PERC C-Si Module	NSM220-72 (220 Wp)	NSM220-72	19.77	72 (Half Cut Cells)	1500	10.03.2023	09.03.2027
							NSM225-72	20.22					
					xviii	Mono PERC C-Si Module	NSM395 (395 Wp)	NSM385	19.40	72 (Full Cells)	1500	10.03.2023	09.03.2027
							NSM390	19.65					
							NSM395	19.90					
							NSM400	20.15					
							JH-420M	19.26					
6	Jakson Engineers Ltd.	Plot No-25, Ecotech-III, Udyog Kendra, Greater NOIDA-201306, Gautam Budha Nagar, Uttar Pradesh, India.	R-93005959	500	i	Mono C-Si PERC Modules	JH-440M, (440Wp)	JH-425M	19.49	120 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
							JH-430M	19.71					
							JH-435M	19.94					
							JH-440M	20.17					
							JH-445M	20.40					
							JH-450M	20.63					
							JH-455M	20.86					
							JH-460M	21.09					
							JH-470M	19.66					
							JH-475M	19.87					
					ii	Mono C-Si PERC Modules	JH-490M, (490Wp)	JH-480M	20.08	132 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
							JH-485M	20.29					
							JH-490M	20.50					
							JH-495M	20.71					
							JH-500M	20.92					
							JH-505M	21.13					
							JH-510M	21.34					
							JH-515M	19.85					
							JH-520M	20.04					
							JH-525M	20.23					
					iii	Mono C-Si PERC Modules	JH-535M, (535Wp)	JH-530M	20.43	144 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
							JH-535M	20.62					
							JH-540M	20.81					
							JH-545M	21.00					
							JH-550M	21.20					
							JH-555M	21.39					
							JH-580M	20.67					
							JH-585M	20.85					
							JH-590M	21.03					
							JH-595M	21.21					
					iv	Mono C-Si PERC Modules	JH-580M, (580Wp)	JH-600M	21.38	156 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
							JP-H385M	19.37					
							JP-H390M	19.62					
							JP-H395M	19.87					
							JP-H400M	20.12					
					v	Mono C-Si PERC Modules	JP-H395M, (385Wp-405Wp)			72 (Full Cells)	1500	17.08.2023	16.08.2027

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)
					vi	Mono C-Si PERC Modules	JH-400M, (400Wp)	JH-H405M	20.37	108 (Half-Cut Cells)	1500	17.08.2023	16.08.2027
				JH-380M				19.28					
				JH-385M				19.53					
				JH-390M				19.79					
				JH-395M				20.04					
				JH-400M				20.29					
				JH-405M				20.55					
				JH-410M				20.88					
				JH-415M				21.06					
				JH-380BB				19.48					
				JH-385BB	19.73								
				JH-390BB	19.99								
				JH-395BB	20.25								
				JH-400BB	20.50								
				JH-405BB	20.76								
				JH-410BB	21.01								
				JH-415BB	21.27								
				JH-420BB	19.39								
				JH-425BB	19.62								
				JH-430BB	19.85								
				JH-435BB	20.08								
				JH-440BB	20.31								
				JH-445BB	20.54								
				JH-450BB	20.77								
				JH-455BB	21.00								
				JH-460BB	21.23								
				JH-475BB	20.02								
				JH-480BB	20.23								
				JH-485BB	20.44								
				JH-490BB	20.65								
				JH-495BB	20.86								
				JH-500BB	21.07								
				JH-505BB	21.29								
				JH-510BB	21.50								
				JH-515BB	21.71								
				JH-520BB	20.15								
				JH-525BB	20.34								
				JH-530BB	20.53								
				JH-535BB	20.73								
				JH-540BB	20.92								
				JH-545BB	21.11								
				JH-550BB	21.31								
				JH-555BB	21.50								
				JH-380BT	19.48								
				JH-385BT	19.73								
				JH-390BT	19.99								
				JH-395BT	20.25								
				JH-400BT	20.50								
				JH-405BT	20.76								
				JH-410BT	21.01								
				JH-415BT	21.27								
				JH-420BT	19.39								
				JH-425BT	19.62								
				JH-430BT	19.85								
				JH-435BT	20.08								
				JH-440BT	20.31								
				JH-445BT	20.54								
				JH-450BT	20.77								
				JH-455BT	21.00								
				JH-460BT	21.23								
				JH-475BT	20.02								
				JH-480BT	20.23								
				JH-485BT	20.44								
				JH-490BT	20.65								
				JH-495BT	20.86								
				JH-500BT	21.07								
				JH-505BT	21.29								
				JH-510BT	21.50								
				JH-515BT	21.71								
				JH-520BT	20.15								
				JH-525BT	20.34								
				JH-530BT	20.53								

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)											
					xiv	Mono c-Si Bifacial PERC Module	JH-535BT	JH-535BT	20.73	144 (Half Cut Cells)	1500	17.08.2023	16.08.2027											
								JH-540BT	20.92															
								JH-545BT	21.11															
								JH-550BT	21.31															
								JH-555BT	21.50															
					xv	Mono c-Si Bifacial PERC Module	JH-400BW	JH-380BW	19.48	108 (Half Cut Cells)	1500	17.08.2023	16.08.2027											
								JH-385BW	19.73															
								JH-390BW	19.99															
								JH-395BW	20.25															
								JH-400BW	20.50															
					xvi	Mono c-Si Bifacial PERC Module	JH-440BW	JH-405BW	20.76	120 (Half Cut Cells)	1500	17.08.2023	16.08.2027											
								JH-410BW	21.01															
								JH-415BW	21.27															
								JH-420BW	21.39															
								JH-425BW	19.62															
					xvii	Mono c-Si Bifacial PERC Module	JH-490BW	JH-430BW	19.85	132 (Half Cut Cells)	1500	17.08.2023	16.08.2027											
								JH-435BW	20.08															
								JH-440BW	20.31															
								JH-445BW	20.54															
								JH-450BW	20.77															
					xviii	Mono c-Si Bifacial PERC Module	JH-535BW	JH-455BW	21.00	144 (Half Cut Cells)	1500	17.08.2023	16.08.2027											
								JH-460BW	21.23															
								JH-475BW	20.02															
								JH-480BW	20.23															
								JH-485BW	20.44															
					7	Insolation Energy Pvt. Ltd	Khasra No 766/2, Vill-Bagwara, Teh-Amer Jaipur, Rajasthan	R-84002330	174	i	Mono c-Si PERC Module	INA72MP375	INA72MP375	19.23	72 (Full Cells)	1500	29.09.2023	28.09.2027						
													INA72MP395	19.80										
										ii	Mono c-Si PERC Module	INA72MP385	INA72MP390	19.55	72 (Full Cells)	1500	29.09.2023	28.09.2027						
INA72MP385	19.30																							
8	Gautam Solar Pvt. Ltd.	Plot No-67-70, Sector-8A IIE, Sidcul Haridwar- 249403, Uttarakhand	R-83006041	319						i	Mono c-Si PERC Modules	G2XBifacial1767-HAE (590 Wp) (565Wp-595Wp)	INA72MP380	19.05	156 (Half Cut Cells)	1500	29.09.2023	28.09.2027						
													G2XBifacial1734-HAE	20.20										
													G2XBifacial1741-HAE	20.38										
													G2XBifacial1747-HAE	20.56										
													G2XBifacial1754-HAE	20.74										
										ii	Mono c-Si PERC Modules	G2XBifacial1695-HAD (535 Wp) (510Wp-550Wp)	G2XBifacial1760-HAE	20.92	144 (Half Cut Cells)	1500	29.09.2023	28.09.2027						
													G2XBifacial1767-HAE	21.10										
													G2XBifacial1773-HAE	21.28										
													G2XBifacial1663-HAD	19.74										
													G2XBifacial1669-HAD	19.94										
										iii	Mono c-Si PERC Modules	G2XBifacial1643-HAB (495 Wp) (485Wp-505Wp)	G2XBifacial1676-HAD	20.13	132 (Half Cut Cells)	1500	29.09.2023	28.09.2027						
													G2XBifacial1682-HAD	20.32										
													G2XBifacial1689-HAD	20.52										
													G2XBifacial1695-HAD	20.71										
													G2XBifacial1702-HAD	20.90										
										iv	Mono c-Si PERC Modules	G2XBifacial1585-HAA (450 Wp) (440Wp-460Wp)	G2XBifacial1708-HAD	21.10	120 (Half Cut Cells)	1500	29.09.2023	28.09.2027						
													G2XBifacial1715-HAD	21.29										
													G2XBifacial1656-HAB	21.13										
													G2XBifacial1650-HAB	20.92										
													G2XBifacial1643-HAB	20.71										
																							G2XBifacial1637-HAB	20.50
																							G2XBifacial1630-HAB	20.29
																							G2XBifacial1598-HAA	21.09
					G2XBifacial1591-HAA	20.87																		
																		G2XBifacial1585-HAA	20.64					
																		G2XBifacial1578-HAA	20.41					
G2XBifacial1572-HAA	20.18																							
G2XBifacial1539-HAY	21.06																							

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)	
					v	Mono c-Si PERC Modules	G2XBifacial1526-HAY (405 Wp) (390Wp-415Wp)	G2XBifacial1533-HAY 20.80 G2XBifacial1526-HAY 20.55 G2XBifacial1520-HAY 20.30 G2XBifacial1507-HAY 19.79 G2XBifacial1474-HAX 20.71		108 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					vi	Mono c-Si PERC Modules	G2XBifacial1468-HAX (360 Wp) (365Wp-350Wp)	G2XBifacial1468-HAX 20.43 G2XBifacial1461-HAX 20.14 G2XBifacial1455-HAX 19.86		96 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					vii	Mono c-Si PERC Modules	G2X590-HAE (590 Wp)	G2X565-HAE 20.20 G2X570-HAE 20.38 G2X575-HAE 20.56 G2X580-HAE 20.74 G2X585-HAE 20.92 G2X590-HAE 21.10 G2X595-HAE 21.28		156 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					viii	Mono c-Si PERC Modules	G2X530-HAD (530 Wp)	G2X510-HAD 19.74 G2X515-HAD 19.94 G2X520-HAD 20.13 G2X525-HAD 20.32 G2X530-HAD 20.52 G2X535-HAD 20.71 G2X540-HAD 20.90 G2X545-HAD 21.10 G2X550-HAD 21.29 G2X505-HAB 21.13		144 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					ix	Mono c-Si PERC Modules	G2X495-HAB (495 Wp)	G2X500-HAB 20.92 G2X495-HAB 20.71 G2X490-HAB 20.50 G2X485-HAB 20.29 G2X460-HAA 21.09 G2X455-HAA 20.87 G2X450-HAA 20.64 G2X445-HAA 20.41 G2X440-HAA 20.18		132 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					x	Mono c-Si PERC Modules	G2X450-HAA (450 Wp)	G2X415-HAY 21.06 G2X410-HAY 20.80 G2X405-HAY 20.55 G2X400-HAY 20.30 G2X390-HAY 19.79 G2X365-HAX 20.71		120 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					xi	Mono c-Si PERC Modules	G2X405-HAY (405 Wp)	G2X360-HAX 20.43 G2X355-HAX 20.14 G2X350-HAX 19.86		108 (Half Cut Cells)	1500	29.09.2023	28.09.2027	
					xii	Mono c-Si PERC Modules	G2X360-HAX (360 Wp)	GS-410-AAA 19.03 GS-415-AAA 19.26 GS-420-AAA 19.49 GS-425-AAA 19.72 GS-430-AAA 19.95		78 (Full Cells)	1500	29.09.2023	28.09.2027	
					xiii	Mono c-Si PERC Modules	GS-420-AAA (420 Wp)	GS-380-AAB 19.13 GS-385-AAB 19.39 GS-390-AAB 19.64 GS-395-AAB 19.89 GS-400-AAB 20.14 GS-405-AAB 20.39 GS-410-AAB 20.64 GS-415-AAB 20.90 GS-420-AAB 21.15 GS-350-AAC 19.13		72 (Full Cells)	1500	29.09.2023	28.09.2027	
					xiv	Mono c-Si PERC Modules	GS-400-AAB (400 Wp)	GS-355-AAC 19.40 GS-360-AAC 19.67 GS-365-AAC 19.95 GS-320-AAD 19.16		66 (Full Cells)	1500	29.09.2023	28.09.2027	
					xv	Mono c-Si PERC Modules	GS-360-AAC (360 Wp)	GS-325-AAD 19.46 GS-330-AAD 19.76 GS-335-AAD 20.06 GS-290-AAE 19.21 GS-295-AAE 19.54		60 (Full Cells)	1500	29.09.2023	28.09.2027	
					xvi	Mono c-Si PERC Modules	GS-330-AAD (330 Wp)			54 (Full Cells)	1500	29.09.2023	28.09.2027	
					xvii	Mono c-Si PERC Modules	GS-295-AAE (295 Wp)							

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)
								GS-300-AAE	19.87				
					xviii	Mono c-Si PERC Modules	GS-260-AAF (260 Wp)	GS-260-AAF	19.26	48 (Full Cells)	1500	29.09.2023	28.09.2027
								GS-265-AAF	19.63				
					xix	Mono c-Si PERC Modules	GS-230-AAG (230 Wp)	GS-230-AAG	19.33	42 (Full Cells)	1500	29.09.2023	28.09.2027
								GS-195-AAH	19.26				
					xx	Mono c-Si PERC Modules	GS-200-AAH (200 Wp)	GS-200-AAH	19.75	36 (Full Cells)	1500	29.09.2023	28.09.2027
								GS-205-AAH	20.25				
								GS-210-AAH	20.74				
9	Novasys Greenergy Pvt. Ltd	Khasra No. 185, Mouza: Mahalgaon, Tehsil: Kamptee, Nagpur-441202, Maharashtra	R-71010499	261	i	Mono c-Si PERC Modules	NOVA195MP36 (195Wp)	NOVA195MP36	19.4	36 (Full Cell)	1500	24.02.2024	23.02.2028
					ii	Mono c-Si PERC Modules	NOVA250MP48 (250Wp)	NOVA255MP48	19.2	48 (Full Cell)	1500	24.02.2024	23.02.2028
								NOVA260MP48	19.6				
								NOVA315MP60	19.2				
					iii	Mono c-Si PERC Modules	NOVA320MP60 (320Wp)	NOVA320MP60	19.5	60 (Full Cell)	1500	24.02.2024	23.02.2028
								NOVA325MP60	19.8				
								NOVA330MP60	20.1				
								NOVA340MP66	19				
					iv	Mono c-Si PERC Modules	NOVA350MP66 (350Wp)	NOVA345MP66	19.3	66 (Full Cell)	1500	24.02.2024	23.02.2028
								NOVA350MP66	19.6				
								NOVA355MP66	19.9				
								NOVA360MP66	20.1				
					v	Mono c-Si PERC Modules	NOVA290MP54 (290Wp)	NOVA285MP54	19.2	54 (Full Cell)	1500	24.02.2024	23.02.2028
								NOVA290MP54	19.5				
								NOVA295MP54	19.9				
					vi	Mono c-Si PERC Modules	NOVA380MP72 (380Wp)	NOVA380MP72	19.14	72 (Full Cells)	1500	24.02.2024	23.02.2028
								NOVA385MP72	19.4				
								NOVA390MP72	19.65				
								NOVA395MP72	19.9				
					vii	Mono c-Si PERC Modules	NOVA380MP144 (380Wp)	NOVA380MP144	19	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA385MP144	19.3				
								NOVA390MP144	19.5				
								NOVA395MP144	19.8				
					viii	Mono c-Si PERC Modules	NOVA350MP96 (350 Wp)	NOVA335MP96	19.06	96 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA340MP96	19.35				
								NOVA345MP96	19.63				
								NOVA350MP96	19.92				
								NOVA355MP96	20.21				
								NOVA360MP96	20.5				
								NOVA365MP96	20.78				
					ix	Mono c-Si PERC Modules	NOVA265MP72 (265 Wp)	NOVA255MP72	19.06	72 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA260MP72	19.45				
								NOVA265MP72	19.81				
								NOVA270MP72	20.19				
								NOVA275MP72	20.57				
								NOVA375MP108	19.11				
					x	Mono c-Si PERC Modules	NOVA390MP108 (390 Wp)	NOVA380MP108	19.37	108 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA385MP108	19.63				
								NOVA390MP108	19.88				
								NOVA395MP108	20.14				
								NOVA400MP108	20.4				
								NOVA405MP108	20.66				
					xi	Mono c-Si PERC Modules	NOVA415MP108 (415 Wp)	NOVA410MP108	20.91	108 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA415MP108	21.17				
								NOVA415MP120	19.11				
								NOVA420MP120	19.34				
					xii	Mono c-Si PERC Modules	NOVA435MP120 (435 Wp)	NOVA425MP120	19.57	120 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA430MP120	19.8				
								NOVA435MP120	20.03				
								NOVA440MP120	20.26				
								NOVA445MP120	20.49				
								NOVA450MP120	20.72				
								NOVA455MP120	20.95				

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)
					xiii	Mono c-Si PERC Modules	NOVA460MP 120 (460 Wp)	NOVA460MP 120	21.18	120 (Half Cut Cells)	1500	24.02.2024	23.02.2028
					xiv	Mono c-Si PERC Modules	NOVA475MP132 (475 Wp)	NOVA455MP132	19.2	132 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA460MP132	19.41				
								NOVA465MP132	19.62				
								NOVA470MP132	19.83				
								NOVA475MP132	20.04				
								NOVA480MP132	20.25				
								NOVA485MP132	20.46				
								NOVA490MP132	20.67				
					xv	Mono c-Si PERC Modules	NOVA500MP132 (500 Wp)	NOVA495MP132	20.89	132 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA500MP132	21.1				
					xvi	Mono c-Si PERC Modules	NOVA520MP144 (520 Wp)	NOVA505MP132	21.31	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								NOVA495MP144	19.16				
								NOVA500MP144	19.35				
								NOVA505MP144	19.54				
								NOVA510MP144	19.74				
								NOVA515MP144	19.94				
NOVA520MP144	20.13												
NOVA525MP144	20.31												
NOVA530MP144	20.51												
NOVA535MP144	20.7												
xvii	Mono c-Si PERC Modules	NOVA550MP144 (550Wp)	NOVA540MP144	20.89	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028					
			NOVA545MP144	21.09									
10	M/s. Pahal Solar	189, Block No.-71, Olpad Sayan Road, Atodara, Olpad Surat-394540, Gujarat	R-72001848	306	i	Mono c-Si PERC Modules	PS_540 (540Wp)	PS_550	21.29	144 (Half Cut Cell)	1500	24.02.2024	23.02.2028
								PS_545	21.09				
								PS_540	20.9				
								PS_535	20.71				
								PS_530	20.51				
					ii	Mono c-Si PERC Modules	PS_500 (500Wp)	PS_525	20.32	132 (Half Cut Cell)	1500	24.02.2024	23.02.2028
								PS_500	19.35				
					iii	Mono c-Si PERC Modules	PS_445 (445Wp)	PS_495	19.16	144 (Half Cut Cell)	1500	24.02.2024	23.02.2028
								PS_445	20.37				
								PS_440	20.14				
								PS_435	19.91				
					iv	Mono c-Si PERC Modules	PS_415 (415 Wp)	PS_430	19.68	132 (Half Cut Cell)	1500	24.02.2024	23.02.2028
								PS_415	19				
					v	Mono c-Si PERC Modules	PS_370 (370 Wp)	PS_380	19.53	132 (Half Cut Cell)	1500	24.02.2024	23.02.2028
								PS_375	19.28				
								PS_370	19.02				
								PIX MP3 72 380	19.14				
11	Pixon Green Energy Pvt. Ltd.	R.S. No. 157/1, 158/1, 158/2, 165/1, 166 of Khijadiya Nana, R.S. No. 15/1 of Depaliya, Padadhari, Rajkot Gujarat 360110	R-72004570	200	i	Mono c-Si PERC Modules	PIX MP3 72 390 (390 Wp)	PIX MP3 72 385	19.4	72 (Full Cells)	1500	24.02.2024	23.02.2028
								PIX MP3 72 390	19.65				
								PIX MP3 72 395	19.9				
								PIX MP3 72 400	20.15				
								ALP380WM (380 Wp)	19.38				
ALP385WM (385 Wp)	19.64												
12	Alpex Solar Pvt. Ltd.	Plot No. I-25 & I-26, UPSIDC, Site-5, Kasna, Greater Noida, Uttar Pradesh-201306	R-93007480	248	i	MONO C-Si PERC Modules.	ALP380WM, (380Wp-385Wp)	SOMERA VSMH.72.555.05 (550 Wp)	21.52	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								SOMERA VSMH.72.550.05	21.33				
13	Vikram Solar Ltd.	B1000A, B1100C, Indospace Industrial Park, Panruti Pvt. Ltd., Survey No-2/A, Sriperumbudur Taluk, Panaiyur Village, Kanchipuram-603302, Tamil Nadu	R-61002070	1099	ii	Mono c-Si PERC Modules	SOMERA VSMH.60.455.05 (455 Wp)	SOMERA VSMH.72.545.05	21.13	120 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								SOMERA VSMH.72.540.05	20.94				
								SOMERA VSMH.60.460.05	21.28				
								SOMERA VSMH.60.455.05	21.05				
								SOMERA VSMH.60.450.05	20.82				
					iii	Bifacial Mono c-Si PERC Modules	PARADEA VSMDH.72.545.05 (545 Wp)	SOMERA VSMH.60.445.05	20.59	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								PARADEA VSMDH.72.550.05	21.33				
								PARADEA VSMDH.72.545.05	21.13				
								PARADEA VSMDH.72.540.05	20.94				
					iv	Mono c-Si PERC Modules	PREXOS VSM DHT.72.535.05 (535 Wp)	PARADEA VSMDH.72.535.05	20.75	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028
								PREXOS VSM DHT.72.535.05	20.75				
								PREXOS VSM DHT.72.530.05	20.55				
								PREXOS VSM DHT.72.530.05	20.55				

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)													
					v	Bifacial Mono c-Si PERC Modules	PARADEA VSMDH.66.650.05 (650 Wp)	PARADEA VSMDH.66.660.05	21.25	132 (Half Cut Cells)	1500	24.02.2024	23.02.2028													
								PARADEA VSMDH.66.655.05	21.09																	
								PARADEA VSMDH.66.650.05	20.92																	
								PARADEA VSMDH.66.645.05	20.76																	
								PARADEA VSMDH.66.640.05	20.60																	
					vi	Bifacial Mono c-Si PERC Modules	PARADEA VSMDH.60.590.05 (590 Wp)	PARADEA VSMDH.60.600.05	21.20	120(Half Cut Cells)	1500	24.02.2024	23.02.2028													
								PARADEA VSMDH.60.595.05	21.02																	
								PARADEA VSMDH.60.590.05	20.85																	
								PARADEA VSMDH.60.585.05	20.67																	
								PARADEA VSMDH.60.580.05	20.50																	
					vii	Mono c-Si PERC Modules	SOMERA VSMH.66.655.05 (655 Wp)	SOMERA VSMH.66.670.05	21.57	132 (Half Cut Cells)	1500	24.02.2024	23.02.2028													
								SOMERA VSMH.66.665.05	21.41																	
								SOMERA VSMH.66.660.05	21.25																	
								SOMERA VSMH.66.655.05	21.09																	
								SOMERA VSMH.66.650.05	20.92																	
					viii	Mono c-Si PERC Modules	SOMERA VSMH.60.600.05 (600 Wp)	SOMERA VSMH.60.610.05	21.55	120 (Half Cut Cells)	1500	24.02.2024	23.02.2028													
								SOMERA VSMH.60.605.05	21.38																	
								SOMERA VSMH.60.600.05	21.20																	
								SOMERA VSMH.60.595.05	21.02																	
								SOMERA VSMH.60.590.05	20.85																	
ix	Mono c-Si PERC Modules	SOMERA VSMH.72.450.05 (450 Wp)	SOMERA VSMH.72.455.05	20.67	144 (Half Cut Cells)	1500	24.02.2024	23.02.2028																		
			SOMERA VSMH.72.450.05	20.49																						
			SOMERA VSMH.72.445.05	20.32																						
			SOMERA VSMH.72.440.05	20.15																						
			SOMERA VSMH.72.435.05	19.98																						
14	M/s. Contendre Greenergy Pvt. Ltd.	Unit No: I/6, Rajlaxmi HiTech Industrial Park, Sonale Village, Bhiwandi-421302, Maharashtra	R-71013196	49	i	Mono c-Si PERC Modules	CG MB72-405 (405 Wp)	CG MB72-395	19.17	72 (Full Cells)	1500	10.04.2024	09.04.2028													
								CG MB72-400	19.41																	
								CG MB72-405	19.66																	
								CG MB72-410	19.90																	
								CG MB72-415	20.14																	
								CG-X144-500	19.04																	
								CG-X144-505	19.24																	
	Co-ALMM with M/s. Credence Solar Panels Private Limited	R-72008656	30 (As per Co-Branding Agreement)	ii	Mono c-Si PERC Module	CG-X144-525 (525 Wp)	CG-X144-510	19.43	144 (Half Cut Cells)	1500	10.04.2024	24.01.2025														
							CG-X144-515	19.62																		
							CG-X144-520	19.81																		
							CG-X144-525	20.00																		
							CG-X144-530	20.19																		
							CG-X144-535	20.38																		
							CG-X144-540	20.57																		
M/s. ECE (India) Energies Pvt. Ltd.	F-27, Express Highway, MIDC, Amravati-444607, Maharashtra, India.	R-71012220	40	i	Mono c-Si PERC Module	ECE060M310 (310Wp)	ECE060M310	19.19	60 (Full Cells)	1500	10.04.2024	09.04.2028														
							ii	Mono c-Si PERC Module					ECE060M340 (340Wp)	ECE060M340	19.23	66 (Full Cells)	1500	10.04.2024	09.04.2028							
														iii	Mono c-Si PERC Module					ECE060M370 (370Wp)	ECE060M370	19.17	72 (Full Cells)	1500	10.04.2024	09.04.2028
																					iv	Mono c-Si PERC Module				
							ECE072M220	19.77																		
							ECE072M225	20.22																		
							ECE072M260	19.62																		
ECE072M265	20.00																									
v	Mono c-Si PERC Module	ECE072M270 (270 Wp)	ECE072M270	20.38	72 (Half Cut Cells)	1500	10.04.2024	28.05.2025																		
			ECE072M275	20.76																						
			ECE096M285	19.42																						
			ECE096M290	19.81																						
			ECE096M295	20.15																						
vi	Mono c-Si PERC Module	ECE096M295 (295 Wp)	ECE096M300	20.49	96 (Half Cut Cells)	1500	10.04.2024	28.05.2025																		
			ECE096M350	20.06																						
			ECE096M355	20.35																						
			ECE096M360	20.64																						
			ECE096M365	20.92																						
vii	Mono c-Si PERC Module	ECE096M360 (360 Wp)	ECE108M320	19.52	96 (Half Cut Cells)	1500	10.04.2024	28.05.2025																		
			ECE108M325	19.82																						
			ECE108M330	20.13																						
			ECE108M335	20.43																						
			viii	Mono c-Si PERC Module					ECE108M330 (330 Wp)	ECE108M330	20.13	108 (Half Cut Cells)	1500	10.04.2024	28.05.2025											
ECE108M335	20.43																									
ECE108M330	20.13																									
ECE108M335	20.43																									
ECE108M330	20.13																									

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)									
					ix	Mono c-Si PERC Module	ECE108M400 (400 Wp)	ECE108M340	20.74	108 (Half Cut Cells)	1500	10.04.2024	28.05.2025									
								ECE108M390	19.96													
								ECE108M395	20.21													
								ECE108M400	20.47													
								ECE108M405	20.72													
					x	Mono c-Si PERC Module	ECE120M370 (370 Wp)	ECE108M410	20.98													
								ECE120M360	19.84													
								ECE120M365	20.11													
								ECE120M370	20.39													
								ECE120M375	20.66													
					xi	Mono c-Si PERC Module	ECE120M445 (445 Wp)	ECE120M435	20.10													
								ECE120M440	20.33													
								ECE120M445	20.56													
								ECE120M450	20.79													
								ECE120M455	21.02													
					xii	Mono c-Si PERC Module	ECE132M405 (405 Wp)	ECE132M395	19.85													
								ECE132M400	20.10													
								ECE132M405	20.35													
								ECE132M410	20.06													
								ECE132M415	20.85													
					xiii	Mono c-Si PERC Module	ECE132M490 (490 Wp)	ECE132M480	20.22													
								ECE132M485	20.43													
								ECE132M490	20.64													
								ECE132M495	20.85													
								ECE132M500	21.06													
					xiv	Mono c-Si PERC Module	ECE144M450 (450 Wp)	ECE144M435	20.09													
								ECE144M440	20.32													
								ECE144M445	20.55													
								ECE144M450	20.78													
								ECE144M455	21.01													
					xv	Mono c-Si PERC Module	ECE144M545 (545 Wp)	ECE144M460	21.24													
								ECE144M465	21.48													
								ECE144M525	20.32													
								ECE144M530	20.51													
								ECE144M535	20.71													
					xvi	Mono c-Si PERC Module	ECE156M470 (470 Wp)	ECE144M540	20.90													
								ECE144M545	21.09													
								ECE144M550	21.29													
								ECE144M555	21.48													
								ECE144M560	21.67													
					xvii	Mono c-Si PERC Module	ECE156M580 (580 Wp)	ECE156M460	19.30													
								ECE156M465	19.51													
								ECE156M470	19.72													
								ECE156M475	19.93													
								ECE156M480	20.14													
					16	Rayzon Solar Private Limited (formerly known as M/s. Rayzon Green Energies)	Block No-105, B/H Aron Pipes, B/H hariya Talav, Kim mandvi Road, Karanj, Surat-394110, Gujrat, India.	R-72002305	945	i	Multi C-Si Modules	RGE310W72, (310Wp)	ECE156M485	20.35	72 (Full Cells)	1000	04.03.2022	03.03.2024				
													ECE156M570	20.39								
													ECE156M575	20.57								
										ii	Multi C-Si Modules	RGE 335W/72, (335Wp)	ECE156M580	20.74								
													ECE156M585	20.92								
													RGE300W72	15.54								
										iii	Multi C-Si Modules	RGE305W66F, (305Wp)	RGE 305W72	15.71								
													RGE 310W72	15.98								
													RGE 315W72	16.23								
										iv	Multi C-Si Modules	RGE 255W60F, (255Wp)	RGE 320W72	16.58								
													RGE 325W72	16.74								
													RGE 330W72	17								
																	RGE 335W/72	17.26				
																	RGE 340W/72	17.52				
																	RGE 345W72	17.78				
												RGE290W66F	14.95									
												RGE295W66F	15.2									
												RGE300W66F	15.46									
												RGE305W66F	15.72									
												RGE310W66F	15.98									
												RGE315W66F	16.23									
												RGE320W66F	16.49									
												RGE 250W60F	15.46									
												RGE 255W60F	15.71									
												RGE 260W60F	16.1									
												RGE 265W60F	16.4									

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)
					v	Multi C-Si Modules	RGE 270W60F, (270Wp)	RGE 270W60F RGE 275W60F RGE 280W60F	16.63 16.93 17.28	60 (Full Cells)	1000	04.03.2022	03.03.2024
					vi	Multi C-Si Modules	RGE 230W54F, (230Wp)	RGE 225W54F RGE 230W54F RGE 235W54F	16.07 16.48 16.79	54 (Full Cells)	1000	04.03.2022	03.03.2024
					vii	Multi C-Si Modules	RGE 245W54F, (245Wp)	RGE 240W54F RGE 245W54F RGE 250W54F	17.14 17.55 17.86	54 (Full Cells)	1000	04.03.2022	03.03.2024
					viii	Multi C-Si Modules	RGE 205W48F, (205Wp)	RGE 200W48F RGE 205W48F RGE 210W48F	15.62 15.45 15.79	48 (Full Cells)	1000	04.03.2022	03.03.2024
					ix	Multi C-Si Modules	RGE 220W48F, (220Wp)	RGE 215W48F RGE 220W48F RGE 225W48F	16.17 16.58 16.92	48 (Full Cells)	1000	04.03.2022	03.03.2024
					x	Multi C-Si Modules	RGE 40W36C, (40Wp)	RGE 40W36C	14.39	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xi	Multi C-Si Modules	RGE 50W36C, (50Wp)	RGE 50W36C	14.76	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xii	Multi C-Si Modules	RGE 55W36C, (55Wp)	RGE 55W36C	13.24	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xiii	Multi C-Si Modules	RGE 60W36C, (60Wp)	RGE 60W36C	14.44	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xiv	Multi C-Si Modules	RGE 75W36C, (75Wp)	RGE 75W36C	15.23	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xv	Multi C-Si Modules	RGE 80W36C, (80Wp)	RGE 80W36C	14.93	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xvi	Multi C-Si Modules	RGE 100W36C, (100Wp)	RGE 100W36C	15	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xvii	Multi C-Si Modules	RGE 110W36, (110Wp)	RGE 110W36	16.5	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xviii	Multi C-Si Modules	RGE125W36C, (125Wp)	RGE120W36C RGE125W36C RGE 150W36F	14.68 15.23 15.13	36 (Cut Cells)	600	04.03.2022	03.03.2024
					xix	Multi C-Si Modules	RGE 155W36F, (155Wp)	RGE 155W36F	15.7	36 (Full Cells)	1000	04.03.2022	03.03.2024
					xx	Multi C-Si Modules	RGE 165W36F, (165Wp)	RGE 160W36F RGE 165W36F	16.2 16.71	36 (Full Cells)	1000	04.03.2022	03.03.2024
					xxi	Mono C-Si PERC Modules	RGE300W54F, (300Wp)	RGE300W54F RGE295W54F RGE270W54F	15.13 14.87 13.61	54 (Full Cells)	1500	04.03.2022	03.03.2024
					xxii	Mono C-Si PERC Modules	RGE280W54F, (280Wp)	RGE275W54F RGE280W54F RGE285W54F RGE290W54F	13.86 14.15 14.36 14.63	54 (Full Cells)	1500	04.03.2022	03.03.2024
					xxiii	Mono C-Si PERC Modules	RGE315W60F, (315Wp)	RGE300W60F RGE305W60F RGE310W60F RGE315W60F RGE320W60F RGE325W60F RGE330W60F	15.12 15.38 15.64 15.91 16.15 16.39 16.63	60 (Full Cells)	1500	04.03.2022	03.03.2024
					xxiv	Mono C-Si PERC Modules	RGE345W66F, (345Wp)	RGE330W66F RGE335W66F RGE340W66F RGE345W66F RGE350W66F RGE355W66F RGE360W66F	16.63 16.92 17.13 17.38 17.65 17.9 18.16	66 (Full Cells)	1500	04.03.2022	03.03.2024
					xxv	Mono C-Si PERC Modules	RGE365W66F, (365Wp)	RGE365W66F	18.41	66 (Full Cells)	1500	04.03.2022	03.03.2024
					xxvi	Mono C-Si PERC Modules	RGE375W72F, (375Wp)	RGE360W72F RGE365W72F RGE370W72F RGE375W72F RGE380W72F RGE385W72F RGE390W72F	18.14 18.39 18.68 18.92 19.19 19.44 19.67	72 (Full Cells)	1500	04.03.2022	03.03.2024
					xxvii	Mono C-Si PERC Modules	RGE400W72F, (400Wp)	RGE395W72F RGE400W72F	19.92 20.19	72 (Full Cells)	1500	04.03.2022	03.03.2024

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)
					xxviii	Mono C-Si PERC Modules	RS345WC, (345Wp)	RS330WC	18.94	96 (Half Cut Cells)	1500	04.03.2022	03.03.2024
				RS335WC				19.22					
				RS340WC				19.51					
				RS345WC				19.79					
				RS350WC				20.07					
				RS355WC				20.34					
				RS360WC				20.67					
				xxix	Mono C-Si PERC Modules	RS380WC, (380Wp)	RS370WC	18.93	108 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RS375WC	19.22					
							RS380WC	19.47					
							RS385WC	19.72					
							RS390WC	19.96					
				xxx	Mono C-Si PERC Modules	RS400WC, (400Wp)	RS395WC	20.22	108 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RS400WC	20.47					
							RS405WC	20.75					
				xxxi	Mono C-Si PERC Modules	RS430WC, (430Wp)	RS410WC	18.96	120 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RS415WC	19.2					
							RS420WC	19.44					
							RS425WC	19.67					
							RS430WC	19.88					
							RS435WC	20.12					
							RS440WC	20.37					
							RS445WC	20.6					
							RS450WC	20.84					
							RS455WC	19.19					
				xxxii	Mono C-Si PERC Modules	RS475WC, (475Wp)	RS460WC	19.4	132 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RS465WC	19.6					
							RS470WC	19.84					
							RS475WC	20.02					
							RS480WC	20.26					
							RS485WC	20.46					
							RS490WC	20.66					
							RS495WC	20.87					
							RS500WC	19.37					
							RS505WC	19.57					
				xxxiii	Mono C-Si PERC Modules	RS520WC, (520Wp)	RS510WC	19.76	144 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RS515WC	19.96					
							RS520WC	20.17					
							RS525WC	20.34					
							RS530WC	20.55					
							RS535WC	20.74					
							RS540WC	20.94					
							RS545WC	21.1					
				xxxiv	Mono PERC C-Si Module	RS555WC (555 Wp)	RS550WC	21.32	144 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RS555WC	21.52					
							RS560WC	21.71					
				xxxv	Mono PERC Bifacial C-Si with Transparent Backsheet	RSB530WC (530 Wp)	RSB550WC	21.32	144 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RSB545WC	21.13					
							RSB540WC	20.94					
							RSB535WC	20.75					
							RSB530WC	20.56					
							RSB525WC	20.37					
							RSB520WC	20.18					
							RSB515WC	19.99					
							RSB510WC	19.79					
							RSB505WC	19.56					
				xxxvi	Mono PERC Bifacial C-Si with Transparent Backsheet	RSB480WC (480 Wp)	RSB500WC	21.08	132 (Half Cut Cells)	1500	04.03.2022	03.03.2024	
							RSB495WC	20.87					
							RSB490WC	20.66					
							RSB485WC	20.46					
							RSB480WC	20.26					
							RSB475WC	20.02					
							RSB470WC	19.84					
							RSB465WC	19.6					
							RSB460WC	19.4					
							RSB455WC	21.02					
				RSB450WC	20.81								
				RSB445WC	20.58								

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												From	To (subject to valid BIS Registration; else deemed to be delisted)
					xxxvii	Mono PERC Bifacial C-Si with Transparent Backsheet	RSB435WC (435 Wp)	RSB440WC	20.35	120 (Half Cut Cells)	1500	04.03.2022	03.03.2024
								RSB435WC	20.1				
								RSB430WC	19.86				
								RSB425WC	19.65				
								RSB420WC	19.42				
								RSB415WC	19.18				
								RSB410WC	21				
								RSB405WC	20.75				
								RSB400WC	20.47				
								RSB395WC	20.22				
								RSB390WC	19.96				
								RSB385WC	19.72				
					xxxviii	Mono PERC Bifacial C-Si with Transparent Backsheet	RSB390WC (390 Wp)	RSB380WC	19.47	108 (Half Cut Cells)	1500	04.03.2022	03.03.2024
								RSB385WC	19.72				
								RSB390WC	19.96				
								RSB395WC	20.22				
								RSB400WC	20.47				
								RSB405WC	20.75				
								RSB410WC	21				
								RSB415WC	19.18				
								RSB420WC	19.42				
								RSB425WC	19.65				
								RSB430WC	19.86				
								RSB435WC	20.1				
					xxxix	Mono PERC Bifacial C-Si with Glass to Glass	RSG530WC (530 Wp)	RSG550WC	21.08	144 (Half Cut Cells)	1500	04.03.2022	03.03.2024
								RSG545WC	20.87				
								RSG540WC	20.66				
								RSG535WC	20.46				
								RSG530WC	20.26				
								RSG525WC	20.02				
								RSG520WC	19.84				
								RSG515WC	19.6				
								RSG510WC	19.4				
								RSG505WC	21.08				
								RSG500WC	21.08				
								RSG495WC	20.87				
					xL	Mono PERC Bifacial C-Si with Glass to Glass	RSG480WC (480 Wp)	RSG490WC	20.66	132 (Half Cut Cells)	1500	04.03.2022	03.03.2024
								RSG485WC	20.46				
								RSG480WC	20.26				
								RSG475WC	20.02				
								RSG470WC	19.84				
								RSG465WC	19.6				
								RSG460WC	19.4				
								RSG455WC	21.02				
								RSG450WC	20.81				
								RSG445WC	20.58				
								RSG440WC	20.35				
								RSG435WC	20.1				
xLi	Mono PERC Bifacial C-Si with Glass to Glass	RSG435WC (435 Wp)	RSG430WC	19.86	120 (Half Cut Cells)	1500	04.03.2022	03.03.2024					
			RSG425WC	19.65									
			RSG420WC	19.42									
			RSG415WC	19.18									
			RSG410WC	21									
			RSG405WC	20.75									
			RSG400WC	20.47									
			RSG395WC	20.22									
			RSG390WC	19.96									
			RSG385WC	19.72									
			RSG380WC	19.47									
			xLii	Mono PERC Bifacial C-Si with Glass to Glass					RSG390WC (390 Wp)	KE50P	14.43	36 (Cut Cells)	600
KE165P	16.84												
KE170P	17.35												
KE175P	17.86												
KE205P	15.45												
KE210P	15.83												
KE215P	16.21												
KE220P	16.58												
KE225P	16.96												
KE235P	15.98												
KE240P	16.32												
KE245P	16.66												
17	M/s. Kosol Energie Pvt. Ltd.	Survey No: 415/B, Opp. Super Gas, Village: Bhayla, Bavla-Bagodra Highway, Ta: Bavla, Dist: Ahmedabad-382220, Gujarat, India.	R-72003417	143	i	Multi C-Si Modules.	KE170P, (170Wp)	KE250P	17.01	36 (Full Cells)	600	04.03.2022	03.03.2024
								KE255P	17.35				
								KE280P	17.04				
								KE285P	17.34				
								KE290P	17.65				
								KE295P	17.95				
iii	Multi C-Si Modules.	KE215P, (215Wp)	KE300P	18.25	48 (Full Cells)	1500	04.03.2022	03.03.2024					
			KE315P	16.23									
			KE320P	16.49									
			KE325P	16.75									
			KE330P	17.01									
			KE335P	17.27									
iv	Multi C-Si Modules.	KE245P, (245Wp)	KE340P	17.54	54 (Full Cells)	1500	04.03.2022	03.03.2024					
			KE345P	17.88									
			KE350P	18.22									
			KE355P	18.56									
			KE360P	18.90									
			KE365P	19.24									
v	Multi C-Si Modules.	KE290P, (290Wp)	KE370P	19.58	60 (Full Cells)	1500	04.03.2022	03.03.2024					
			KE375P	19.92									
			KE380P	20.26									
			KE385P	20.60									
			KE390P	20.94									
			KE395P	21.28									
vi	Multi C-Si Modules.	KE325P, (325Wp)	KE400P	21.62	72 (Full Cells)	1500	04.03.2022	03.03.2024					
			KE405P	21.96									
			KE410P	22.30									
			KE415P	22.64									
			KE420P	22.98									
			KE425P	23.32									