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

Block No. 14, C.G.O. Complex, Lodhi Road, New Delhi – 110003. Dated: 10th March, 2021.

OFFICE MEMORANDUM

Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019 – Implementation – Reg.

As noted in this Ministry's OM of even no. dated 02.01.2019, solar PV power installations are set up for a period of 25 years and, solar PV cells and modules used in plants require long term warranty. It is thus desirable to ensure that such products are indeed made in units in which production has been claimed. It is possible that some units may claim production of solar cells & modules produced or made elsewhere. The reliability of producer is essential to protect the consumer interests and ensure larger energy security of the Country.

- 2. In order to address this issue, MNRE issued an order "Approved Models & Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019" and "Guidelines for enlistment under Approved Models & Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019". These orders provide for enlistment of Models and manufacturers of Solar PV Cells & Modules, after due inspection of manufacturing facilities.
- 3. Considering the recommendations of a Committee constituted to review the implementation of ALMM order and inspections reports submitted by NISE, Hon'ble Minister for Power & NRE has approved the ALMM list for Solar PV Modules i.e. List I List of Models and Manufacturers for Solar PV Modules, as on 10.03.2021. The ALMM list for Solar PV Modules is enclosed at Annexure I.
- 4. In accordance with the ALMM order dated 02.01.2019 and amendment thereto:
 - i. The enlistment shall be valid for two years and can be renewed on submission of necessary documents.

ii. The Ministry is empowered to conduct production & sale audit and random quality test, inspection of facility at any time to ensure the compliance and in case of any

non-compliance, the enlisted manufacturer shall be removed from ALMM.

iii. The Approved List of Models and Manufacturers (ALMM) will be uploaded on the

MNRE website and will be monthly updated.

iv. Only the models and manufacturers included in this list shall be eligible for use in

Government / Government assisted Projects / Projects under Government schemes &

Programmes, installed in the country, including Projects set up for sale of electricity

to Government under the Guidelines issued by Central Government under section 63

of Electricity Act, 2003 and amendment thereof. The word "Government" shall

include Central Government, State Government, Central Public Sector Enterprises,

State Public Sector Enterprises and Central and State Organizations / Autonomous

bodies.

5. Further in partial modification to this Ministry's OM of even number dated 02.02.2021

ALMM Order in respect of List - I (Modules) or List - II (Cells) shall be applicable only on

the projects for which the bids are concluded after 30 days of publication of such List.

Accordingly, ALMM order in respect of List I (Modules) shall be applicable on all such

bids whose last date of bid submission is on or after 10.04.2021.

6. To bring contractual clarity, the Bidding Agencies shall take an explicit declaration from the

Bidders that they are aware of binding provisions of the ALMM Order and the List(s)

thereunder, while quoting the tariff in that bid.

7. This issues with the approval of Hon'ble Minister, New and Renewable Energy.

(Shiva Suman) Dy. Director.

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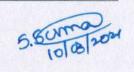
To: All Concerned

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

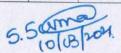
Annexure - I

List of Manufacturers and Models of Solar PV Modules enlisted under ALMM Order

S. No.	Name of the Manufacturer	Location of	Enlisted Capacity	S. No.	Type of Module	Model Name	Enlisted Models	No. of Cells in Module	Val	idity
		Manufacturing							From	То
1	Mundra Solar PV Ltd.				V N C C V II	ENCORE Series, ASP-7-AAA	ASP-7-325			09.03.2023
							ASP-7-330			
							ASP-7-335			
				i	Multi C-Si Modules	(AAA=325-350)	ASP-7-340	72 (Full Cells)	10.03.2021	
							ASP-7-345			
		Tunda, Mundra					ASP-7-350			
		SEZ, Mundra, Gujarat, India	1100				ASM-7-PERC-355	72 (Full Cells)	Tir health	09.03.2023
							ASM-7-PERC-360			
		Gujarat, moia					ASM-7-PERC-365			
				ii	Mono C-Si PERC	ETERNAL Series, ASM-7-PERC-AAA	ASM-7-PERC-370		10.03.2021	
				11	Modules	(AAA=355-390)	ASM-7-PERC-375		10.03.2021	
							ASM-7-PERC-380			
							ASM-7-PERC-385			
							ASM-7-PERC-390			
	Vikram Solar Ltd.				Multi Crystalline Silicon	Eldora VSP.72.AAA.05	VSP.72.320.05	72 (F. II C. II.)	10.03.2021	09.03.2023
							VSP.72.325.05			
							VSP.72.330.05			
					Module	(AAA= 320Wp-345Wp)	VSP.72.335.05	72 (Full Cells)	10.03.2021	
				1000			VSP.72.340.05			
							VSP.72.345.05			
		Falta SEZ, South		100000	Multi Crystalline Silicon	Eldora VSPH.72.AAA.05	VSPH.72.340.05		W-50 Y 9 13	09.03.2023
2		24 Parganas, West Bengal, India	970	ii	Module Module	(AAA= 340Wp-350Wp)	VSPH.72.345.05	144 (Half Cut Cells)	10.03.2021	
-							VSPH.72.350.05			
				iv	Mono Crystalline Silicon Module	Somera VSM.72.AAA.05 (AAA=370Wp-375Wp)	VSM.72.370.05	72 (Full Cells)	10.03.2021	09.03.2023
							VSM.72.375.05			
					Mono Crystalline Silicon Module	Somera VSMH.72.AAA.05 (AAA=380Wp-400Wp)	VSMH.72.380.05	144 (Half Cut Cells)	10.03.2021	09.03.2023
							VSMH.72.385.05			
							VSMH.72.390.05			
							VSMH.72.395.05			
							VSMH.72.400.05			
STATE	Bharat Electronics Ltd.			i	Multi C-Si Module	BEP-A.XXX (310Wp-335Wp)	BEP-A.310	72 (Full Cells)	10.03.2021	09.03.2023
							BEP-A.315			
							BEP-A.320			
3							BEP-A.325			
		Jalahalli,					BEP-A.330			10//200
			10				BEP-A.335			
		Bengaluru, Karnataka, India	10	ü	Mono C-Si Module	BE-A.XXX (310Wp-335Wp)	BE-A.310	72 (Full Cells)	10.03.2021	09.03.2023
							BE-A.315			
							BE-A.320			
							BE-A.325			
							BE-A.330			
				1.43			BE-A.335		CALL MARKET	
								A CONTRACTOR OF THE STATE OF TH		



					1					
							E320P72	a Control of the Control	10.03.2021 0	TOTAL THE TANK
		Market Control of					E325P72			100
		KIND OF THE REAL PROPERTY.					E330P72	72 (Full Cells)		09.03.2023
				1	Multi C-Si Module	E335P72 (320Wp-350Wp)	E335P72			
							E340P72			
							E345P72			
							E350P72			
4					Multi C-Si Module	E280P60 (265Wp-290Wp)	E265P60	60 (Full Cells)	10.03.2021	09.03.2023
							E270P60			
				ü			E275P60			
							E280P60			
	Emmvee Photovoltaic Power Pvt. Ltd.	THE SEASON OF	500				E285P60			
		Bettahalasuru,					E290P60			
		Bengaluru,			Mono PERC Module	E380M72 (360Wp-395Wp)	E360M72	72 (Full Cells)	10.03.2021	09.03.2023
		Karnataka, India					E365M72			
							E370M72			
				iii			E375M72			
							E380M72			
							E385M72			
		District Assets of the Control of th		100			E390M72		FIRE BOTH	
N. C. S.	Property of the second						E395M72		10.03.2021	
							E300M60			09.03.2023
						E315M60 (300Wp-330Wp)	E305M60	60 (Full Cells)		
				iv	Mono PERC Module		E310M60			
							E315M60			
		New York Control of the Control of t					E320M60			
		Control of the second		10000			E325M60			
		MARKET TO SHEET IN	CALC THE CAL	a a mu			E330M60			



							O-£-205P72-15			
150 101	TO CONTRACT OF THE	In the second		18	HARVET BUY		Orb305P72-15	WO STATE OF THE		
							Orb310P72-15			DECEMBER 1
				i	Multi C-Si Module	Orb320P72-15 (305Wp-335Wp)	Orb315P72-15 Orb320P72-15	72 (Fall Calls)	10.03.2021	09.03.2023
					Nama C-131 Module	(303Wp-333Wp)	Orb325P72-15	72 (Full Cells)		
							Orb330P72-15			
							Orb335P72-15			
							Orb260P60-15			
		The same of the		1819			Orb265P60-15	60 (Full Cells)	10.03.2021	09.03.2023
				ü	Multi C-Si Module	Orb270P60-15 (260Wp-280Wp)	Orb270P60-15			
						C/102/OF00-13 (260 Wp-280 Wp)				
							Orb275P60-15			Bey Dale
							Orb280P60-15			
				Sec. 10			Orb305P72			09.03.2023
				TO THE			Orb310P72	Thomas and a state of	10.03.2021	
				iii	Multi C-Si Module	O-1-220D72 (2051) 2251/- 2	Orb315P72			
				m	Muid C-51 Module	Orb320P72 (305Wp-335Wp)	Orb320P72	72 (Full Cells)		
				A PERSON	Zanaza an		Orb325P72			
				100 950			Orb330P72			
				-			Orb335P72			
	The second second				Multi C-Si Module	Orb270P60 (260Wp-280Wp)	Orb260P60	60 (Full Cells)	10.03.2021	09.03.2023
				iv			Orb265P60			
		Yeshwanthapura, Bengaluru, 50		IV			Orb270P60			
							Orb275P60			
							Orb280P60			
	ORB Energy Pvt. Ltd.						Orb355M72-15			
5			1 1 1 1 1 1 1			Orb360M72-15		THE PROPERTY.		
		Karnataka, India		130	Mana C. E. Madala	0.1.2701.472.14.224111	Orb365M72-15	72 (Full Cells)	10.03,2021	09.03.2023
				v	Mono C-Si Module	Orb370M72-15 (355Wp-385Wp)	Orb370M72-15			
				(= 0 V > 1 ()			Orb375M72-15			
				A. Yan			Orb380P72-15			
							Orb385P72-15		- W W 1	
							Orb290M60-15			09.03.2023
							Orb295M60-15			
					11 0011111		Orb300M60-15			
				vi	Mono C-Si Module	Orb305M60-15 (290Wp-320Wp)	Orb305M60-15	60 (Full Cells)	10.03.2021	
				100			Orb310M60-15			
						Orb315M60-15		de la la villa		
	ALCOHOLD TO SECTION						Orb320M60-15		10.03.2021 10.03.2021 10.03.2021 10.03.2021	F. It love
							Orb355M72			
							Orb360M72			
							Orb365M72		10.03.2021	09.03.2023
				vii	Mono C-Si Module	Orb370M72 (355Wp-385Wp)	Orb370M72	72 (Full Cells)		
							Orb375M72			
							Orb380M72			
							Orb385M72			
							Orb290M60			
				10.1			Orb295M60			
							Orb300M60			
				viii	Mono C-Si Module	Orb305M60 (290Wp-320Wp)	Orb305M60	60 (Full Cells)	10.03.2021	
							Orb310M60			
							Orb315M60	- Francisco	1000	
							Orb320M60			

