



UTTAR HARYANA BIJLI VITRAN NIGAM LIMITED
(A Power Distribution & Retail Supply Utility, Govt. of Haryana)
Regd. & Corp. Office: C-16, Vidyut Sadan, Sector-6, Panchkula, Haryana
Ph no. 0172-2564205, Website-www.uhbvn.org.in
CIN No. U40109HR1999SGC034166, Email: cecommercial@uhbvn.org.in

8 Bid Preparation (Technical & Financial) Online Payment of Tender Document Fee, eService fee, EMD fees and Submission of Bid Seal (Hash) of online Bids:

8.1 Tender fee shall be furnished online.

E- Service fee shall be as applicable.

NOTE: If the tenders are cancelled or recalled on any grounds, the tender document fees will not be refunded to the agency.

The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.

8.2 The bidders shall **upload** their technical offer containing documents, qualifying criteria, technical specification, schedule of deliveries, and all other terms and conditions except the rates (price bid).

The bidders shall **quote** the prices in price bid format.

8.3 Submission of bids will be preceded by submission of the digitally signed & sealed bid (Hash) as stated in the time schedule (Key Dates) of the Tender.

NOTE:-

(A) If bidder fails to complete the Online Bid Preparation & Submission stage on the stipulated date and time, his/hers bid will be considered as bid not submitted, and hence not appear during tender opening stage.

(B) Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://etenders.hry.nic.in>.



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(C)For help manual please refer to the ‘Home Page’ of the e-Procurement website at <https://etenders.hry.nic.in>, and click on the available link ‘System Requirement’ to download the file.

No. 283/54/2018-GRID SOLAR

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय / Ministry of New & Renewable Energy

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

ब्लॉक संख्या 14, केंद्रीय कार्यालय परिसर,

लोदी रोड, नई दिल्ली - 110003

Block No. 14, C.G.O. Complex,
Lodi Road, New Delhi - 110003Date: 2nd January, 2019**OFFICE MEMORANDUM****Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019**

1. The Ministry of New & Renewable Energy has issued "Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order, 2017" vide Government of India Gazette Notification No. 2561 dated 5th September, 2017.
2. The above referred order of this Ministry, and amendments thereof, had been issued, inter-alia, with a view to ensure quality of solar cells, solar modules, used in solar PV power plants, by way of compliance of solar PV cells & modules with the applicable standards and testing requirements. However, since 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 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.
3. Accordingly, the Ministry of New and Renewable Energy (MNRE) has decided to enlist the eligible models and manufacturers of solar PV cells and modules complying with the BIS Standards and publish the same in a list called the "Approved List of Models and Manufacturers" (ALMM). Only the models and manufacturers included in this list will 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 "Guidelines for Tariff Based Competitive Bidding Process for Procurement of Power from Grid Connected Solar PV Power Projects dated 3rd Aug' 2017 and the amendments thereof". The word "Government" shall include Central Government, State Governments, Central Public Sector Enterprises, State Public Sector Enterprises and, Central and State Organisations/ Autonomous bodies.
4. ALMM shall consist of LIST-I, specifying models and manufacturers of Solar PV Modules and LIST-II, specifying models and manufacturers of Solar PV Cells. The effective dates for operationalizing of these Lists would be as follows:

LIST DETAILS	EFFECTIVE DATE FOR IMPLEMENTATION
LIST-I, Solar PV Modules	31st March' 2020
LIST-II, Solar Cells	31st March' 2020

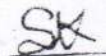
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After the effective date, all projects falling under the purview of Paragraph 3 above shall have to source their modules from models and manufacturers included in LIST-I. Further, for deployment of modules after the effective date in projects covered under para (3) above, the Solar PV Module manufacturers enlisted in List-I have to mandatorily source Solar Cells from the manufacturers enlisted in LIST-II. All projects for which bids have been finalised before the issuance of this order shall stand exempted from the mandatory requirement of procurement of cells and modules enlisted in the ALMM order. All projects that would be bid-out, henceforth, following "Guidelines for Tariff Based Competitive Bidding Process for Procurement of Power from Grid Connected Solar PV Power Projects", shall have a clause in their RfS that the cells and modules used in such projects shall be from the models and manufacturers included in ALMM list. However, in order to allow smooth transition, such projects where the bids *have not been* finalised before the issuance of this order, will be permitted to procure outside the ALMM LIST-I till 31st March'2020. In case of procurement from within India, the date of procurement shall mean the date of dispatch while in case of procurement from outside India, the date of procurement shall mean the date of filing of bill of entry with Indian Customs.

5. The provisions of Department of Industrial Policy and Promotion's (DIPP's) "*Public Procurement (Preference to Make in India), Order 2017*", dated 15th June, 2017 ; and the Ministry of New & Renewable Energy's (MNRE's) "*Implementation of Public Procurement (Preference to Make in India) Order for Renewable Energy sector*", dated 11th December, 2018 shall also be applicable wherever the procurement is by a "*Procuring Entity*" as defined in the DIPP's Order dated 15th June, 2017. In all such cases, not only the domestic content requirement contained in these Orders shall be followed, but also the modules shall be sourced from models and manufacturers included in LIST-I of ALMM.
6. For being eligible to be included in the List-I, the manufacturers should first get the BIS registration/ certification, as applicable, under the "*Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order, 2017*", or any amendment thereof, or any order issued in supersession of this order, for each model. Such enlistment shall be valid for a period of two years and can be further renewed on submission of necessary documentary evidence for the continued satisfactory performance of their products.
7. Before inclusion in the ALMM list, a team of Ministry of New and Renewable Energy shall conduct an inspection of the manufacturing facility of the manufacturers whose models have been registered/certified by BIS as per the "*Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order, 2017*", or any amendment thereof, or any order issued in supersession of this order. During the inspection, the team shall conduct the production and sale audit of the company to ensure that the solar cells and modules being supplied are indeed made in the unit.
8. The Ministry will be empowered to conduct the said audit at any time in order to check any complaint. The models and manufacturers shall be enlisted in ALMM for a period of two years by an order of the Ministry of New and Renewable Energy after it is satisfied that such models meet the prescribed standard and the manufacturer has sufficient capacity to manufacture them based on facility inspection.
9. The models and the manufacturers so enlisted, shall be subjected to random quality/tests, including inspection of manufacturing premises and in case of any failure or non-compliance by the enlisted manufacturer, they shall be removed from the Approved List of Models and Manufacturers (ALMM).

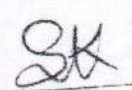
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10. The present instructions apply to all solar PV cells and modules being manufactured under any technology.
11. Following procedure shall be followed while enlisting the manufacturers of solar PV cells and modules:
- a. While applying, the Applicant manufacturers have to submit, apart from applicable fee prescribed by MNRE from time to time, documentary evidence of their financial and physical manufacturing capabilities, ranging over the previous three years, or the period of existence of such units, whichever is less. The evidence would include the details of purchase of raw materials, production & sales details, profit & loss account, statement of assets & liabilities etc.
 - b. As a measure of facilitation, wherever such details as required at (a) above, are also required to be submitted as statutory requirements under different laws/regulations in the Country (eg. Company's Act, Income Tax Act, GST Act etc.), and are already being subjected to scrutiny, such documentary evidence may be taken as sufficient for the purpose of preliminary assessment.
 - c. Wherever such details, as required at (a) above, are not being submitted as statutory requirements under different laws/regulations in the Country, or that these units are operating beyond the jurisdiction of Indian Laws, where necessary documentary evidence may not be available for the purpose of preliminary assessment, in all such cases, the applicant's unit(s) shall be first subjected to preliminary inspection by MNRE or any agency authorised by MNRE, for this purpose.
 - d. After satisfactory verification of the physical establishment and operations of the unit, the applicant shall be required to submit details, on monthly basis, for the next one year, of purchase of raw materials, production & sale of finished goods, bank statement(s) reflecting such transactions of sale and purchase, satisfactory performance recommendation certificate(s) from their buyer(s) and also solvency certificate from their banks.
 - e. All such units where the preliminary assessment has been done, and where it is found that there are no major operational issues or performance related defaults, the units shall qualify for site inspection.
 - f. The manufacturers, willing for enlistment, shall apply for the same in the prescribed Application Format. Separate applications to be submitted for each model.
 - g. The following certified documents/ information, duly signed by Authorised Signatory, shall be provided with the Application:
 - i. Copy of Certificate of Incorporation.
 - ii. Document authorising the Signatory to sign the Application.
 - iii. Copy of BIS registration/ certification, as applicable.
 - iv. Copy of Certificates declaring Standards from Accredited Labs of BIS.
 - v. Affidavit and Indemnity Bond in the prescribed format signed by Authorised Signatory and attested by Judicial Magistrate or Executive Magistrate or Notary Public.



- n. The Approved List of Models and Manufacturers (ALMM) will be uploaded on the MNRE website and will be quarterly updated.
- i. Such enlistment shall be valid for a period of two years and can be further renewed on submission of necessary documentary evidence, along with applicable fee, for the continued satisfactory performance of their products, as mentioned at 10(a) above. Wherever, such details, as required at S. No. 11(a) above, are not being submitted as statutory requirements under different laws/regulations in the country, or that these units are operating beyond the jurisdiction of Indian Laws, the renewal of enlistment would be subject to the site inspection of the applicant unit.
- j. The Applications for inclusion/ renewal in ALMM, along with all required documents should be submitted to:

Shri Sanjay Karndhar,
Scientist-C
Grid Solar Power Division
Ministry of New & Renewable Energy
Block no. 14, CGO Complex, Lodhi Road, New Delhi-110003


(Sanjay Karndhar)
Scientist-C

To: All Concerned

Copy to: Director (Technical), MNRE, for uploading on MNRE Website

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.

S. Surma
10/3/2021

- 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.

S. Suman
10/03/2021

(Shiva Suman)

Dy. Director.

Tel: 011 – 24369788.

e-mail : shivvasuman@nic.in

To: All Concerned

CC: 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

S. No.	Name of the Manufacturer	Location of Manufacturing	Enlisted Capacity	S. No.	Type of Module	Model Name	Enlisted Models	No. of Cells in Module	Validity	
									From	To
1	Mundra Solar PV Ltd.	Tunda, Mundra SEZ, Mundra, Gujarat, India	1100	i	Multi C-Si Modules	ENCORE Series, ASP-7-AAA (AAA=325-350)	ASP-7-325	72 (Full Cells)	10.03.2021	09.03.2023
							ASP-7-330			
							ASP-7-335			
							ASP-7-340			
							ASP-7-345			
							ASP-7-350			
				ii	Mono C-Si PERC Modules	ETERNAL Series, ASM-7-PERC-AAA (AAA=355-390)	ASM-7-PERC-355	72 (Full Cells)	10.03.2021	09.03.2023
							ASM-7-PERC-360			
							ASM-7-PERC-365			
							ASM-7-PERC-370			
							ASM-7-PERC-375			
							ASM-7-PERC-380			
							ASM-7-PERC-385			
							ASM-7-PERC-390			
2	Vikram Solar Ltd.	Falta SEZ, South 24 Parganas, West Bengal, India	970	i	Multi Crystalline Silicon Module	Eldora VSP.72.AAA.05 (AAA= 320Wp-345Wp)	VSP.72.320.05	72 (Full Cells)	10.03.2021	09.03.2023
							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.AAA.05 (AAA= 340Wp-350Wp)	VSPH.72.340.05	144 (Half Cut Cells)	10.03.2021	09.03.2023
							VSPH.72.345.05			
							VSPH.72.350.05			
				iii	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			
				iv	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										
3	Bharat Electronics Ltd.	Jalahalli, Bengaluru, Karnataka, India	10	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			
							BEP-A.325			
							BEP-A.330			
							BEP-A.335			
				ii	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			
							BE-A.335			

S. Suma
10/8/2024

4	Emmvee Photovoltaic Power Pvt. Ltd.	Bettahalasuru, Bengaluru, Karnataka, India	500	i	Multi C-Si Module	E335P72 (320Wp-350Wp)	E320P72	72 (Full Cells)	10.03.2021	09.03.2023
							E325P72			
							E330P72			
							E335P72			
							E340P72			
							E345P72			
				E350P72						
				ii	Multi C-Si Module	E280P60 (265Wp-290Wp)	E265P60	60 (Full Cells)	10.03.2021	09.03.2023
							E270P60			
							E275P60			
							E280P60			
							E285P60			
							E290P60			
				iii	Mono PERC Module	E380M72 (360Wp-395Wp)	E360M72	72 (Full Cells)	10.03.2021	09.03.2023
							E365M72			
							E370M72			
							E375M72			
							E380M72			
							E385M72			
				iv	Mono PERC Module	E315M60 (300Wp-330Wp)	E390M72	60 (Full Cells)	10.03.2021	09.03.2023
E395M72										
E300M60										
E305M60										
E310M60										
E315M60										
E320M60										
E325M60										
E330M60										

S. Soma
10/03/2021

5	ORB Energy Pvt. Ltd.	Yeshwanthapura, Bengaluru, Karnataka, India	50	i	Multi C-Si Module	Orb320P72-15 (305Wp-335Wp)	Orb305P72-15	72 (Full Cells)	10.03.2021	09.03.2023
							Orb310P72-15			
							Orb315P72-15			
							Orb320P72-15			
							Orb325P72-15			
							Orb330P72-15			
							Orb335P72-15			
							Orb260P60-15			
							Orb265P60-15			
							Orb270P60-15			
							Orb275P60-15			
							Orb280P60-15			
							Orb305P72			
							Orb310P72			
							Orb315P72			
							Orb320P72			
							Orb325P72			
							Orb330P72			
							Orb335P72			
							Orb260P60			
							Orb265P60			
							Orb270P60			
							Orb275P60			
							Orb280P60			
							Orb355M72-15			
							Orb360M72-15			
							Orb365M72-15			
							Orb370M72-15			
Orb375M72-15										
Orb380P72-15										
Orb385P72-15										
Orb290M60-15										
Orb295M60-15										
Orb300M60-15										
Orb305M60-15										
Orb310M60-15										
Orb315M60-15										
Orb320M60-15										
Orb355M72										
Orb360M72										
Orb365M72										
Orb370M72										
Orb375M72										
Orb380M72										
Orb385M72										
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Orb300M60										
Orb305M60										
Orb310M60										
Orb315M60										
Orb320M60										

S. Srinivas
10/03/2024