

No: 283/54/2018-GRID SOLAR-Part(5)

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय/ Ministry of New & Renewable Energy (MNRE)  
ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Atal Akshay Urja Bhawan,  
Lodhi Road, New Delhi – 110003

Dated: 7<sup>th</sup> October, 2022

OFFICE MEMORANDUM

**Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019: Clarification - reg.**

**Ref:**

- i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 2nd January, 2019 reg. Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019;
- ii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 2<sup>nd</sup> February, 2021;
- iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13<sup>th</sup> January, 2022;
- iv. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 28<sup>th</sup> March, 2022;

MNRE decided to enlist the eligible models and manufacturers of solar PV Cells & Modules complying with BIS standards and publish the same under 'Approved List of Models and Manufacturers' (ALMM) of solar PV modules / cells and accordingly, issued an order "Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019" (ALMM Order) on 02.01.2019, referred at (i) above.

2. ALMM Order dated 02.01.2019 referred at (i) above, including amendment dated 02.02.2021 referred at (ii) above, inter-alia, provided as follows:

*"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 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."*



3. Vide MNRE's O.M. dated 13.01.2022 referred at (iii) above, the ALMM Order was further amended to include "net-metering" and "open-access" projects and it was conveyed that the amendment (dated 13.01.2022) shall be applicable on RE projects which apply for open access or net-metering facility from 1st April, 2022. Subsequently, vide O.M. dated 28.03.2022 referred at (iv) above, the date was extended from 1<sup>st</sup> April, 2022 to 1<sup>st</sup> October, 2022.

4. Representations have been received in MNRE for further clarity on MNRE's O.M.s referred at (iii) and (iv) above. The matter has been examined. Since the procedures for grant of open access and net metering vary across states, it is clarified that:

(a). The amendment referred at (iii) read with amendment referred at (iv) above, **shall not be applicable for open access and net-metering renewable energy projects where the First Application**, for grant of:

- In-principle approval; or
- No Objection Certificate (NOC); or
- Government Order; or
- any other such approvals as may be required for open access and net-metering of the renewable energy projects

**as per the provisions of respective State/ UT Policy or as per the rules and regulations of respective Electricity Regulatory Commission, has been made before 1<sup>st</sup> October 2022, to any of the relevant entities viz. Distribution licensee(s) / State Transmission Utility (STU)/ State Load Despatch Centre (SLDC) / State Nodal Agency for Renewable Energy / (Power/ Energy / Renewable Energy Department of the State/ UT).**

(b). It is further clarified that the amendment referred at (iii) read with amendment referred at (iv) above, shall not be applicable to behind-the meter solar power plants solely used for captive consumption by a consumer or group of consumers.

5. This issues with the approval of competent authority.



(Sanjay G. Karndhar)  
Scientist-D

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**To: All concerned**

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

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 - 110003

Date: 2<sup>nd</sup> 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 5<sup>th</sup> 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



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).



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.



- h. 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: 2<sup>nd</sup> February, 2021.

**OFFICE MEMORANDUM**

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

The undersigned is directed to refer to this Ministry's OM dated 02.01.2019 regarding the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019, wherein, specified solar power projects are mandated to procure Solar PV Modules and Cells enlisted under ALMM. In this context, it is to mention that in order to improve the reliability and minimize the variability of Solar power plants, new kind RE plants i.e. Wind – Solar Hybrid plants, RTC RE plant, Peak RE Plant etc are being introduced and guidelines were issued for development of these projects. In order mandate the solar power projects under these new instruments, it is proposed to amend the ALMM order dated 02.01.2019. In line with this, the para 3 of above order:

*'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 projects dated 3<sup>rd</sup> August, 2017 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.'*

S. Sumra  
02/02/2021

**may be read as under:**

*'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 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.'*

2. Further, ALMM Order, in respect of List – I (Modules) or List – II (Cells) shall be applicable only on the projects for which the bids are issued after one month of publication of such List.

3. To bring contractual clarity, the Bidding Agencies shall take an explicit declaration from the Bidders that they are aware of binding provisions of ALMM Order and the List(s) thereunder while quoting tariff in that bid.

4. This issues with the approval of Hon'ble Minister (Power & NRE).

*S. Suman*  
02/02/2024

(Shiva Suman)  
Dy. Director

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**To: All Concerned**

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



No. 283/54/2018-GRID SOLAR-Part(2)

भारत सरकार / Government of India

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

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Block No. 14, C.G.O. Complex,  
Lodhi Road, New Delhi – 110003

Dated: 13<sup>th</sup> January, 2022

**OFFICE MEMORANDUM**

**Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019: Amendment - reg.**

**Ref:**

- i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 2nd January, 2019 reg. Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019; and
- ii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 2nd February, 2021.

1. Para 3 of the subject Order, hereby stands modified as under:

Existing Provision	Amended Provision
<p>"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 &amp; 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 Governments, Central Public Sector Enterprises, State Public Sector Enterprises and, Central and State Organisations/ Autonomous bodies."</p>	<p>"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 Projects/ Government assisted Projects/ Projects under Government Schemes &amp; Programmes/ Open Access / Net-Metering Projects, 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 Governments, Central Public Sector Enterprises, State Public Sector Enterprises and, Central and State Organisations/ Autonomous bodies."</p>

2. It is also clarified that "Projects under Government Schemes & Programmes" referred above, includes projects set up under Component 'A' of PM-KUSUM Scheme.

3. The above amendment shall be applicable on RE projects which apply for open access or net-metering facility from 1<sup>st</sup> April, 2022.

4. This issues with the approval of Hon'ble Minister (NRE & Power).



(Sanjay G. Karndhar)  
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To: All concerned

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

No. 283/54/2018-GRID SOLAR-Part(2)

भारत सरकार / Government of India

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

ग्रिड सौर ऊर्जा प्रभाग / Grid Solar Power Division

Block No. 14, C.G.O. Complex,  
Lodhi Road, New Delhi – 110003

Dated: 28<sup>th</sup> March, 2022

**OFFICE MEMORANDUM**

**Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019: Amendment - reg.**

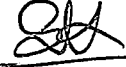
**Ref:**

- i. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 2nd January, 2019 reg. Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019;
- ii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 2<sup>nd</sup> February, 2021; and
- iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13<sup>th</sup> January, 2022 (copy enclosed)

1. Para 3 of the amendment dated 13<sup>th</sup> January, 2022 referred at (iii) above stands modified as under:

Existing Provision	Amended Provision
The above amendment shall be applicable on RE projects which apply for open access or net-metering facility from 1 <sup>st</sup> April, 2022.	The amendment in paragraph 1 above shall be applicable on renewable energy projects which apply for open access or net-metering facility, on or after 1 <sup>st</sup> October, 2022.

2. This issues in line with approval by Hon'ble Minister (NRE & Power).



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**To: All concerned**

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