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: 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

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

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,
Lodi Road, New Delhi – 110003
Dated: 7th April, 2020

OFFICE MEMORANDUM

Sub: Extension of six months in effective dates for ALMM LIST-I (solar PV modules) and ALMM LIST-II (solar PV cells)

1. With the objective of ensuring reliability of Solar PV manufacturers by ensuring that solar PV cells and modules are indeed made in units in which production has been claimed, and to protect the consumer interests and ensure larger energy security of the country, Ministry of New & Renewable Energy (MNRE), on 02.01.2019, had issued ***"Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019".*** *(hereinafter also referred as 'ALMM Order')*

2. The ALMM Order provides for enlistment of 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)**. The order further mentions that 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 and that the effective dates for operationalizing of these Lists would be as follows:

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

3. The ALMM Order dated 2nd Jan 2019 stipulated that after the effective dates mentioned above, i.e. after 31st March, 2020, all **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"** shall have to source their modules from models and manufacturers included in ALMM LIST-I (for modules). Further, for deployment of modules after the effective date (i.e. after 31st March, 2020), in projects mentioned above (in bold), the Solar PV Module manufacturers enlisted in ALMM List-I have to mandatorily source Solar Cells from the manufacturers enlisted in ALMM LIST-II (for cells)."

4. However, due to temporary disruptions due to COVID-19 epidemic and the current lockdown and the prevailing situation due to such epidemic, **it has been decided with the approval of Hon'ble Minister (NRE & Power) to extend the effective dates for ALMM LIST-I (solar PV modules) and ALMM LIST-II (solar PV cells) by six months from 31st March, 2020 to 30th September, 2020.**

(Sanjay G. Karndhar)
Scientist-D
Email: karndhar.sg@nic.in

To:

1. Addl. Chief Secretaries/ Pr. Secretaries/ Secretaries of Power/ Energy / Renewable Energy Departments of Governments/ Administrations of all States/ UTs
2. Managing Directors of all DISCOMs
3. CMD, Solar Energy Corporation of India Limited (SECI)
4. CMD, NTPC Limited
5. DG, NISE
6. Solar PV Manufacturer Associations
7. Solar Power Developer Associations

Copy to: NIC, MNRE for uploading on MNRE Website

Copy for internal circulation to: PS to Hon'ble Minister/ Sr. PPS to Secretary/ Sr. PPS to JS (AKS)/ Dir (RG)

F. No. 283/54/2018-GRID SOLAR

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: 30th June, 2020

OFFICE MEMORANDUM

Sub: Constitution of a Committee to review issues related to "Approved List of Models and Manufacturers of Solar Photovoltaic Modules (Requirement of Compulsory Registration) Order, 2019 (ALMM Order).

1. The undersigned is directed to state that in view of representations received from various RE stakeholders, it has been decided to constitute the following Committee to examine all issues relating to implementation of "Approved List of Models and Manufacturers of Solar Photovoltaic Modules (Requirement of Compulsory Registration) Order, 2019 (ALMM Order).

   a) Addl. Secretary, MNRE (Chairman)
   b) Joint Secretary (Solar), MNRE
   c) Joint Secretary (Wind), MNRE
   d) Director (Solar), SECI
   e) One representative from Solar Power Developers' Association (SPDA)

2. The Committee will make recommendation on the manner and date of implementation of "ALMM Order". It will submit its report within 15 days of its constitution.

3. It has also been decided that "ALMM Order" will only apply to those bids which are held 30 days after the ALMM is finalized and published.

4. This issues with the approval of the Competent Authority.

30/06/2020

(Mohd Azmal Mansoori)
Scientist-B
Email: azmal.mnre@gov.in

To:

1. **All the Committee Members**
2. **SPDA** ***(with a request to nominate a representative for the aforesaid committee)***
3. **NSEFI**
4. **FICCI**
5. **CII**
6. **SECI**

Copy for internal circulation to:

PS to Hon'ble Minister (NRE & Power)/ Sr. PPS to Secretary/ Sr. PPS to JS (AKS)/ Dir (RG)/ Sci-D (SK)

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: 2nd 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 3rd 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. Kumar
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 04/01/2024

(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

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. Sharma 10/03/2021

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

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: 13th 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
"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 Governments, Central Public Sector Enterprises, State Public Sector Enterprises and, Central and State Organisations/ Autonomous bodies."	*"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 & 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."*

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 1st April, 2022.

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

(Sanjay G. Karndhar)
Scientist-D
Tel: 011-24363498, Email: karndhar.sg@nic.in

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: 28th 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 2nd February, 2021; and

iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13th January, 2022 (copy enclosed)

1. Para 3 of the amendment dated 13th 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 1st **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 **1st October, 2022.**

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

(Sanjay G. Karndhar)
Scientist-D
Tel: 011-24363498,
Email: karndhar.sg@nic.in

To: All concerned

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

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: 7th 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 2nd February, 2021;
iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13th January, 2022;
iv. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 28th 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 1st April, 2022 to 1st 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 1st 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
Email: karndhar.sg@nic.in

To: All concerned

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

No. 283/16/2023-GRID SOLAR

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: 10th March, 2023

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.
iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13th January, 2022.
iv. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 28th March, 2022.
v. Clarification to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(5) dated 07th October, 2022.

With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 and subsequent amendments and clarification thereto, the undersigned is directed to convey that subject Order is hereby held in abeyance for one financial year, i.e. FY 2023-24. Thus Projects commissioned by 31.03.2024 will be exempted from the requirement of procuring Solar PV modules from ALMM.

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

(Sanjay G. Karndhar)
Scientist-D
Email: karndhar.sg@nic.in

To:

All concerned

Copy to:

Director (Technical), NIC, MNRE, for uploading on MNRE Website

No. 283/22/2023-GRID SOLAR/Pt.

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: 10th May, 2023

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;
iii. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 13th January, 2022;
iv. Amendment to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 28th March, 2022;
v. Clarification to Order at (i) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(5) dated 07th October, 2022;
vi. Amendment to Order at (i) above vide MNRE's O.M. No. 283/16/2023-GRID SOLAR dated 10th March, 2023.

vii. MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 28th March, 2019 reg. Guidelines for enlistment under "Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019; and
viii. Amendment to Guidelines at (vii) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR dated 12th June, 2019;
ix. Amendment to Guidelines at (vii) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR(i) dated 06th February, 2020;
x. Clarifications to Guidelines at (vii) above vide No. 283/54/2018-GRID SOLAR(ii) dated 06th February, 2020;
xi. Amendment to Guidelines at (vii) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(1) dated 02nd February, 2021;
xii. Amendment to Guidelines at (vii) above vide MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(6) dated 22nd March, 2023.

1. With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 and subsequent amendments & Clarification thereto and Guidelines for enlistment under the said Order, the undersigned is directed to convey that the subject Order and the Guidelines for enlistment thereto are hereby amended as follows:

1.1. Application and Inspection Fees:

1.1.1 Application Fees:

a) For PV module/ cell manufacturers having total installed production capacity less than or equal to 50 MW per year, the application fee for first model of module /cell shall be Rs. 500/- per MW of the total installed production capacity for solar PV modules/ cell, of the applicant.

b) For PV module/ cell manufacturers having total installed production capacity greater than 50 MW per year, the application fee for first model of module /cell shall be Rs. 1,000/- per MW of the total installed production capacity for solar PV modules/ cell, of the applicant.

c) In case the application consists of multiple models, the application fee shall be as per paragraphs 1.1.1 (a) & (b) above for first model and additional 1% of this for every additional model.

d) In case, an applicant is already enlisted, for a particular model of solar PV module/cell and applies for enlistment of additional model of Solar PV module/cell, then the application fee for such additional model shall be 10% of the prevailing normal application fee. However, if in such subsequent application, there are multiple models, then the fees shall be 10% of application fee for initial enlistment in ALMM for first model and 1% of application fee for initial enlistment in ALMM for every additional model. However, the enlistment of additional models shall not have any effect on the validity of original enlistment/renewal thereof. The validity of enlistment shall expire on the same date for all the models of an applicant.

	For initial / first enlistment				For addition of models by manufacturers already enlisted in ALMM			
	Earlier		Now		Earlier		Now	
Production capacity	**For first model**	**For other models** (1% of application fee for every additional model)	**For first model**	**For other models** (1% of application fee for every additional model)	**For first model** (10% of application fee for initial enlistment in ALMM)	**For other models** (1% of application fee for initial enlistment in ALMM)	**For first model** (10% of application fee for initial enlistment in ALMM)	**For other models** (1% of application fee for initial enlistment in ALMM)
Up to 50 MW /year	Rs. 2,500/- per MW	Rs. 25/- per MW	Rs. 500/- per MW	Rs. 5/- per MW	Rs. 250/- per MW	Rs. 25/- per MW	Rs. 50/- per MW	Rs. 5/- per MW
More than 50 MW /year	Rs. 5,000/- per MW	Rs. 50/- per MW	Rs. 1,000/- per MW	Rs. 10/- per MW	Rs. 500/- per MW	Rs. 50/- per MW	Rs. 100/- per MW	Rs. 10/- per MW

1.1.2 Inspection fees:

a) The Quantum of Inspection Fees, for each inspection, shall be as follows:

	For initial / first enlistment				For addition of models by manufacturers already enlisted in ALMM			
	Earlier		Now		Earlier		Now	
Location of manufacturing site	**Production capacity (MW/year)**	**Inspection fee (Rs.)**	**Production capacity (MW/year)**	**Inspection fee (Rs.)**	**Production capacity (MW/year)**	**Inspection fee (Rs.)**	**Production capacity (MW/year)**	**Inspection fee (Rs.)**
Manufacturing situated in SAARC (South Asian Association for Regional Cooperation) countries	Up to 50 MW	2.5 lakhs	Up to 100 MW	1.5 lakhs	Up to 50 MW	1.25 lakhs	Up to 100 MW	0.75 lakhs
	More than 50 MW & up to 100 MW	5 lakhs			More than 50 MW & up to 100 MW	2.5 lakhs		
	More than 100 MW & up to 250 MW	10 lakhs	More than 100 MW & up to 500 MW	5 lakhs	More than 100 MW & up to 250 MW	5 lakhs	More than 100 MW & up to 500 MW	2.5 lakhs
	More than 250 MW	15 lakhs			More than 250 MW	7.5 lakhs		
			More than 500 MW	15 lakhs			More than 500 MW	7.5 lakhs
Manufacturing situated in non SAARC countries	For all capacities	30 lakhs	For all capacities	30 lakhs	For all capacities	15 lakhs	For all capacities	15 lakhs

b) In cases where the application for addition of models is for models which are similar in technology, process and use majorly same Bill of Materials, as used in the applicant manufacturer's already enlisted model of wattage higher than that of the model proposed to be enlisted through addition of models, factory inspection will not be required and no inspection will have to be paid. But if the wattage of the model proposed to be enlisted is higher than the wattage of already enlisted similar models, factory inspection shall be done.

1.1.3 The application and inspection fees as mentioned in para 1.1.1 and 1.1.2 respectively shall be applicable prospectively i.e. only for applications submitted after the issuance of this O.M. In respect of such applications wherein the inspection has already been done, the new reduced rates of application fee and inspection fee will not be applicable and such applications will continue to be governed by earlier rates of application fee as well as inspection fee.

1.1.4 However, w.r.t applications received prior to issuance of this O.M. and pending for inspection, the applicant will be allowed to exercise one of the following options:

a) Withdrawal of the already made application and submission of fresh application wherein the application fee and inspection fee as mentioned in para 1.1.1 and 1.1.2 respectively will be applicable. In respect of the application withdrawn by such applicants, the application fee as well as inspection fee, already paid, will be fully refunded without any interest.

OR

b) Opting not to withdraw the application already made. In this case, the new reduced rates of application fee and inspection fee will not be applicable and such applications will continue to be governed by earlier rates of application fee as well as inspection fee.

1.1.5 For applications submitted after the issuance of this O.M., if the applicant applies for withdrawal of the application:

a) Applicant shall be permitted to withdraw its application, provided the inspection has not been done. However, 10% of the application fees shall be deducted and the remaining fees *(90% of application fee and 100% of inspection fee if paid)* without interest may be refunded to the applicant.

b) In case the inspection has been completed and the applicant wishes to withdraw its application, then Applicant shall be permitted to withdraw its application, however, no fees (application and inspection) shall be refunded to the applicant.

1.2. Provisional ALMM enlistment:

1.2.1 For manufacturers already enlisted in ALMM, a provisional ALMM enlistment will be granted, within 7 days of receipt of BIS registration (subject to submission of requisite documents and payment of fee; if all requisite documents are given & applicable application fee and inspection fee are paid).

1.2.2 Factory inspection & final enlistment, w.r.t. aforesaid cases of provisional enlistment will be completed in two months from the receipt of application, failing which the provisional enlistment would be deemed to be final enlistment. All deemed enlistments to be examined and NISE to submit a report on all such cases to MNRE explaining the reasons for non-completion of inspection and other procedures within two months.

1.3. All future applications for ALMM enlistment should be accompanied by a scanned copy of the application sent over email to the DS/ Director/ Scientist-D/E/F level officer dealing with ALMM in MNRE, and such scanned copies of applications received over email will be forwarded by email to NISE within maximum two working days. Hard copies will also

be sent to NISE, however, NISE may start processing the applications based on the scanned copy of application forwarded by MNRE to NISE.

1.4. Validity of Enlistment under ALMM:

1.4.1 The enlistment under ALMM shall be valid for a period of four years from the date of enlistment and can be renewed thereafter following the procedure laid down by the Government.

1.5. Minimum Module Efficiency Thresholds for Enlistment under ALMM:

1.5.1 Only such models of Solar PV Module Manufacturers, will be eligible for enlistment under ALMM, which complies with the BIS Standards and are having the following minimum module efficiency:

Category	Application/ Use	Minimum Module Efficiency required to be eligible for enlistment under ALMM
Category I	Utility / Grid Scale Power Plants	20.0%
Category II	Rooftop and Solar Pumping	19.5%
Category III	Solar Lighting	19.0%

1.5.2 Such models of Solar PV Module Manufacturers which are already enlisted under ALMM and are having efficiencies less than the aforesaid minimum thresholds, shall be delisted from ALMM list in two years (from date of issuance of this O.M.) or date of expiry of validity of such model in ALMM, whichever is earlier. Further, such delisted models shall not be eligible for renewal.

1.6. It is reiterated that the ALMM Order is in abeyance for one financial year, i.e. FY 2023-24.

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

(Sanjay G. Karndhar)
Scientist-D
Email: karndhar.sg@nic.in

To:
All concerned

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

No. 283/16/2023-GRID SOLAR

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: 9th February 2024

OFFICE MEMORANDUM

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

Ref:

Vide MNRE's Order of even no. dated 10th March 2023, the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 (ALMM Order) was held in abeyance for one financial year, i.e. FY 2023-24. As per further decision on this issue, the undersigned is directed to convey that:

a) The ALMM [Approved List of Models & Manufacturers] for Solar PV Modules, is being re-imposed with effect from 1st April, 2024.

b) The ALMM will apply as per the Law, only to those projects which are sponsored/ subsidized by the Government. ALMM will apply to Government or its agencies procuring power for its own consumption or for distribution to the people through Distribution Companies. ALMM will apply to Solar PV Rooftops and PM KUSUM; which are subsidized. The ALMM will not apply to projects set up under open access or as captive by private parties. In other words, ALMM will not be applicable for people who set up their own capacity.

c) Aforesaid order of even no. dated 10th March 2023, inter-alia, conveyed that projects commissioned by 31st March 2024 will be exempted from the requirement of procuring Solar PV modules from ALMM. However, now, it has been decided that the relaxation in ALMM shall apply to all cases where the projects are in advanced stage of construction and the order for the modules has been placed before 31st March 2024. That the plant is in advanced stages of construction and the irrevocable LC has been opened before 31st March, 2024, will be subject to verification.

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

(Sanjay G. Karndhar)
Scientist-E
Email: karndhar.sg@nic.in

To: All concerned

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

No. 283/16/2023-GRID SOLAR

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: 15th February 2024

OFFICE MEMORANDUM

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

The undersigned is directed to convey that the O.M. of even no. dated 9th February, 2024 (copy enclosed) on the subject issue, is hereby held in abeyance till further orders.

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

(Sanjay G. Karndhar)
Scientist-E
Email: karndhar.sg@nic.in

To: All concerned

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

F. No. 283/22/2023 - GRID SOLAR / Pt
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: 22nd March, 2024

OFFICE MEMORANDUM

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

1. With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 dated 02.01.2019 and subsequent amendments & clarifications thereto and Guidelines for enlistment under the said Order, the undersigned is directed to convey that on 10.05.2023, MNRE had issued certain reforms in Approved List of Models and Manufacturers (ALMM) in which sub-clause 1.5.1 under clause 1.5, inter-alia included introduction of following end-use category-wise minimum module efficiency thresholds for enlistment in ALMM:

   - Utility / Grid Scale Power Plants : 20.00 %
   - Rooftop and Solar Pumping : 19.50 %
   - Solar Lighting : 19.00 %

2. W.r.t. above, the undersigned is directed to convey that the sub-clause 1.5.1 under clause 1.5 of the reforms issued by MNRE on 10.05.2023, regarding the end-use category-wise minimum module efficiency thresholds for enlistment in ALMM, hereby stands modified as follows:

   1.5.1 Only such models of Solar PV Module Manufacturers, will be eligible for enlistment under ALMM, which comply with the BIS Standards and are having the following minimum module efficiency:

Category	Application/ Use	Minimum Module Efficiency required to be eligible for enlistment in ALMM for solar PV modules	
		For crystalline-silicon technology based Solar PV Modules	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. This issues with the approval of Hon'ble Minister (Power & NRE).

Yours faithfully,

(Sanjay G. Karndhar)
Scientist-E
Email: karndhar.sg@nic.in

To: All concerned

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

No. 283/16/2023-GRID SOLAR
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: 29th March, 2024

OFFICE MEMORANDUM

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

1. Vide MNRE's Order of even no. dated 10th March 2023, the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 (ALMM Order) was held in abeyance for one financial year, i.e. FY 2023-24. It is clarified that the ALMM [Approved List of Models & Manufacturers] for Solar PV Modules, shall accordingly come into effect from 1st April, 2024.

2. Each project where the solar PV modules have been received at the project site by 31st March, 2024 and is unable to get commissioned by that day, on account of reasons beyond the control of the renewable power developer, would be examined separately.

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

(Sanjay G. Karndhar)
Scientist-E
Email: karndhar.sg@nic.in

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

Atal Akshay Urja Bhawan,
Lodhi Road, New Delhi – 110003
Dated: 20th May, 2024

OFFICE MEMORANDUM

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

With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 and subsequent amendments & clarification thereto and Guidelines for enlistment under the said Order, the undersigned is directed to convey as follows:

MNRE, vide its O.M. No. 283/54/2018-GRID SOLAR-Part(I) dated 10.03.2021 (copy attached), had issued First List of ALMM (for solar PV modules), and in the said O.M, inter-alia, following was mentioned:

".... 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."

It is once again reiterated that 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. i.e. Projects where last date of bid submission was prior to 10.04.2021, ALMM order in respect of List I (Modules) shall not be applicable.

2. This issues with the approval of competent authority.

(Sanjay G. Karndhar)
Scientist-E
Email: karndhar.sg@nic.in

To: All concerned

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

No. 1/74/2023-NT

Government of India

Ministry of New & Renewable Energy (MNRE)

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

Dated: 27th May 2024

OFFICE MEMORANDUM

Sub: Exemption from ALMM requirements for Renewable Energy plants located inside an Special Economic Zone (SEZ) or Export Oriented Unit (EOU) and supplying power exclusively for production plants of Green Hydrogen (or its derivatives), which are located inside an SEZ or set up as an EOU (either same or different SEZ/EOU)- reg.

Renewable Energy plants located inside an Special Economic Zone (SEZ) or Export Oriented Unit (EOU) and supplying power exclusively for production plants of Green Hydrogen (or its derivatives), which are located inside an SEZ or set up as an EOU (either the same or different SEZ/EOU), shall be exempt from the purview of Approved List of Models & Manufacturers (ALMM) for Solar PV Modules, issued by Ministry of New & Renewable Energy (MNRE) under the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019, including all clarifications/amendments & Guidelines thereunder.

2. The aforesaid exemption from ALMM will be applicable for all such Renewable Energy plants which satisfy all the above mentioned criteria and are commissioned by 31st December 2030.

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

Sanjay G. Karndhar
Scientist-E
Email: karndhar.sg@nic.in

To: All concerned

Copy to:

1. PS to Hon'ble Minster for Power and New and Renewable Energy
2. PS to Hon'ble Minster of State for New and Renewable Energy
3. PS to Secretary, MNRE
4. JS(AY)/ JS (DDJ)/ JS (LB)

No. 283/43/2024-GRID SOLAR
Government of India
Ministry of New & Renewable Energy
(Grid Solar Power Division)

Atal Akshaya Urja Bhawan,
Lodhi Road, New Delhi-110003,
Dated: 7th August, 2024

OFFICE MEMORANDUM

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

With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 and subsequent amendments & clarifications thereto, the undersigned is directed to convey that two new clauses are being added in MNRE's O.M. No. 283/22/2023-GRID SOLAR/Pt. dated 10.05.2023 and further, the sub-para 1.2.2 of Para 1.2 of the MNRE aforesaid O.M. dated 10.05.2023 is being modified as follows:

Earlier Provision	Amended/ New Provision
1.2.2. Factory inspection & final enlistment, w.r.t. aforesaid cases of provisional enlistment will be completed in two months from the receipt of application, failing which the provisional enlistment would be deemed to be final enlistment. All deemed enlistments to be examined and NISE to submit a report on all such cases to MNRE explaining the reasons for non-completion of inspection and other procedures within two months.	**1.2.2.** Factory inspection & final enlistment, w.r.t. aforesaid cases of provisional enlistment will be completed in two months from the receipt of application, failing which the provisional enlistment would be deemed to be final enlistment in cases where NISE has completed the inspection of the plant but the recommendation has not been received in MNRE from NISE. However, in cases where the inspection has not yet been completed on account of delay caused by reasons attributable to solar PV manufacturers, provisional enlistment shall be revoked. All deemed enlistments to be examined and NISE to submit a report on all such cases to MNRE explaining the reasons for non-completion of inspection and other procedures within two months.
Nil	**New Clause** **1.7** A portal is being operated by National Institute of Solar Energy (NISE) to collect the data of production, sales and export from Solar PV manufacturers and the link for said portal is as follows: https://mnre-pv.nise.res.in All the existing ALMM enlisted manufacturers shall feed-in data on the

Earlier Provision	Amended/ New Provision
	aforesaid portal in respect of their Solar PV manufacturing facilities from April 2023 onwards, within 4 weeks from the date of issuance of this O.M., failing which, manufacturers who have not fed the data in the aforesaid portal, are liable to be delisted from ALMM. Further, all future applications for enlistment / renewal / addition of models / provisional enlistment in ALMM, shall be accompanied by a certificate on Letter Head of the Solar PV Manufacturer, certifying that data of production, sales and export w.r.t. manufacturing facilities for which the application is being made, has been filled in the aforesaid portal from April 2023 onwards till the month prior to the month of submitting the ALMM application, failing which, the ALMM application will be rejected.
Nil	**New Clause** 1.8 A portal is being operated by National Institute of Solar Energy (NISE) to ensure traceability of domestically manufactured solar PV cells and modules and helping in verification of Domestic Content Requirement (DCR) in solar PV modules deployed in the country and the link for said portal is as follows: https://solardcrportal.nise.res.in/ All the existing ALMM enlisted manufacturers shall register their solar PV manufacturing facilities on the said portal and start feeding the data in respect of solar PV modules and solar PV cells being manufactured by them, on the said portal, within one month from the date of issuance of this O.M., as in future, the aforesaid portal shall be the exclusive mechanism for verification of Domestic Content Requirement (DCR) and in case any solar PV module which has been claimed by the manufacturer to be DCR compliant, fails in DCR verification through this portal, the concerned manufacturer may have to face actions / penalties for violation of DCR provisions, as listed in MNRE's O.M. No. 283/5/2018-GRID SOLAR dated 16.10.2023.

Earlier Provision	Amended/ New Provision
	Further, all future applications for enlistment / renewal / addition of models / provisional enlistment in ALMM, shall be accompanied by a certificate on Letter Head of the Solar PV Manufacturer, certifying that data in respect of solar PV modules and solar PV cells manufactured by the manufacturing facilities for which the application is being made, has been filled in the aforesaid portal, failing which, the ALMM application will be rejected.

2. This issues with the approval of Hon'ble Minister (New & Renewable Energy)

(Sanjay G. Karndhar)
Scientist-E
Email: karndhar.sg@nic.in

To: All concerned

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

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

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: 14th October, 2024

OFFICE MEMORANDUM

Sub: Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirement for Compulsory Registration) Order, 2019: Clarification

With reference to the Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019 and subsequent amendments & clarification thereto and Guidelines for enlistment under the said Order, the undersigned is directed to convey that MNRE vide its O.M. no. 283/54/2018-GRID SOLAR-Part(5) dated 07.10.2022 (copy enclosed) had inter-alia clarified that:

> *"The amendments* of even no. dated 13.01.2022 and 28.03.2022, *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 01.10.2022, to any 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)."*

2. In this regard, it is once again reiterated and clarified that ALMM Order 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 Central / State / UT policy or as per the rules and regulations of respective Electricity Regulatory Commission (CERC/ SERC/ JERC), has been made before 01.10.2022, to any relevant entities viz. Distribution licensee(s)/ State Transmission Utility (STU)/ Central Transmission Utility of India Limited (CTUIL)/ State Load Despatch Centre (SLDC)/ National Load Despatch Centre (NLDC) / Regional Load Despatch Centre / Grid Controller of India Limited / State Nodal Agency for Renewable Energy/ (Power/Energy/ Renewable Energy Department of the State/UT).

3. This issue with the approval of competent authority.

Yours faithfully,

(Sanjay G. Karndhar)
Scientist-E
E-mail: karndhar.sg@nic.in

Encl: as above

To: All Concerned

Copy to: Director, NIC, MNRE, for uploading on MNRE website

Copy for internal circulation: PPS to Secretary / PSO to JS (AY)

F. No. 283/43/2024-GRID SOLAR

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.
Date: 11th November, 2024

OFFICE MEMORANDUM

Sub: Mandatory filling of past data (01.01.2024 onwards) on DCR Verification portal and non-acceptance of solar modules not verifiable through DCR portal, in MNRE's Scheme mandating Domestic Content Requirement (DCR)

1. MNRE, vide its O.M. of even no. dated 07.08.2024 had amended the ALMM Order and inter-alia, included a new provision pertaining to DCR Verification Portal, which stated as follows:

> *1.8 A portal is being operated by National Institute of Solar Energy (NISE) to ensure traceability of domestically manufactured solar PV cells and modules and helping in verification of Domestic Content Requirement (DCR) in solar PV modules deployed in the country and the link for said portal is as follows: https://solardcrportal.nise.res.in/*
>
> *All the existing ALMM enlisted manufacturers shall register their solar PV manufacturing facilities on the said portal and start feeding the data in respect of solar PV modules and solar PV cells being manufactured by them, on the said portal, within one month from the date of issuance of this O.M., as in future, the aforesaid portal shall be the exclusive mechanism for verification of Domestic Content Requirement (DCR) and in case any solar PV module which has been claimed by the manufacturer to be DCR compliant, fails in DCR verification through this portal, the concerned manufacturer may have to face actions as listed in MNRE's O.M. No. 283/5/2018-GRID SOLAR dated 16.10.2023*
>
> *Further, all future applications for enlistment / renewal / addition of models / provisional enlistment in ALMM, shall be accompanied by a certificate on Letter Head of the Solar PV Manufacturer, certifying that data in respect of solar PV modules and solar PV cells manufactured by the manufacturing facilities for which*

the application is being made, has been filled in the aforesaid portal, failing which, the ALMM application will be rejected.

2. In order to ensure that the provisions of Domestic Content Requirement (DCR) as provided for in MNRE's Schemes, namely, CPSU Scheme Phase-II, PM Suryaghar: Muft Bijli Yojana and PM-KUSUM, are followed in letter and spirit, the following is hereby conveyed:

a) All concerned stakeholders to mandatorily fill all past data (from 1st January 2024 onwards) in respect of Domestic Content Requirement (DCR) compliant solar PV modules, on the DCR Verification portal operated by National Institute of Solar Energy, at the link: https://solardcrportal.nise.res.in

b) From 1st December 2024 onwards, any solar PV module, whose DCR credentials cannot be verified through the aforesaid DCR verification portal, shall not be accepted under MNRE's CPSU Scheme Phase-II, PM Suryaghar: Muft Bijli Yojana and PM-KUSUM.

3. This issues with the approval of Secretary, MNRE.

(Sanjay G. Karndhar)
Scientist-E
Tel: 011-20849047
Email: karndhar.sg@nic.in

To: All concerned

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

F. No. 283/43/2024-GRID SOLAR

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.
Date: 11th November, 2024

OFFICE MEMORANDUM

Sub: Mandatory filling of past data (01.01.2024 onwards) on DCR Verification portal and non-acceptance of solar modules not verifiable through DCR portal, in MNRE's Scheme mandating Domestic Content Requirement (DCR)

1. MNRE, vide its O.M. of even no. dated 07.08.2024 had amended the ALMM Order and inter-alia, included a new provision pertaining to DCR Verification Portal, which stated as follows:

> *1.8 A portal is being operated by National Institute of Solar Energy (NISE) to ensure traceability of domestically manufactured solar PV cells and modules and helping in verification of Domestic Content Requirement (DCR) in solar PV modules deployed in the country and the link for said portal is as follows: https://solardcrportal.nise.res.in/*
>
> *All the existing ALMM enlisted manufacturers shall register their solar PV manufacturing facilities on the said portal and start feeding the data in respect of solar PV modules and solar PV cells being manufactured by them, on the said portal, within one month from the date of issuance of this O.M., as in future, the aforesaid portal shall be the exclusive mechanism for verification of Domestic Content Requirement (DCR) and in case any solar PV module which has been claimed by the manufacturer to be DCR compliant, fails in DCR verification through this portal, the concerned manufacturer may have to face actions as listed in MNRE's O.M. No. 283/5/2018-GRID SOLAR dated 16.10.2023*
>
> *Further, all future applications for enlistment / renewal / addition of models / provisional enlistment in ALMM, shall be accompanied by a certificate on Letter Head of the Solar PV Manufacturer, certifying that data in respect of solar PV modules and solar PV cells manufactured by the manufacturing facilities for which*

the application is being made, has been filled in the aforesaid portal, failing which, the ALMM application will be rejected.

2. In order to ensure that the provisions of Domestic Content Requirement (DCR) as provided for in MNRE's Schemes, namely, CPSU Scheme Phase-II, PM Suryaghar: Muft Bijli Yojana and PM-KUSUM, are followed in letter and spirit, the following is hereby conveyed:

a) All concerned stakeholders to mandatorily fill all past data (from 1st January 2024 onwards) in respect of Domestic Content Requirement (DCR) compliant solar PV modules, on the DCR Verification portal operated by National Institute of Solar Energy, at the link: https://solardcrportal.nise.res.in

b) From 1st December 2024 onwards, any solar PV module, whose DCR credentials cannot be verified through the aforesaid DCR verification portal, shall not be accepted under MNRE's CPSU Scheme Phase-II, PM Suryaghar: Muft Bijli Yojana and PM-KUSUM.

3. This issues with the approval of Secretary, MNRE.

(Sanjay G. Karndhar)
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To: All concerned

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

No. 283/59/2024-GRID SOLAR

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,
Lodi Road, New Delhi – 110003
Date: 9th December, 2024

OFFICE MEMORANDUM

Sub: Amendment to ALMM Order for Implementation of ALMM for Solar PV cells

1. Reference is invited to the 'Approved Models and Manufacturers of Solar Photovoltaic Modules (Requirements for Compulsory Registration) Order, 2019' issued by MNRE on 02.01.2019 and various clarifications / amendments thereto issued from time to time along with the Procedural Guidelines dated 28.03.2019 including clarifications / amendments thereto, issued under the subject Order.

2. Though the aforesaid ALMM order dated 02.01.2019 had provision for List-I, specifying models and manufacturers of Solar PV Modules and List-II, specifying models and manufacturers of Solar PV Cells, till date, List-II of solar PV cells has not been issued because the installed capacity of solar PV cells in the country was lower than demand.

3. With installed capacity of solar PV cells in the country expected to increase substantially in next year, it has been proposed to issue List-II of solar PV cells under ALMM, which **shall be effective from 1st June 2026.**

4. In line with provisions already specified in ALMM Order dated 02.01.2019, and subsequent clarifications and amendments thereto, all projects falling under the purview of ALMM shall have to mandatorily source their solar PV modules from models and manufacturers included in ALMM List-I for solar PV modules and such solar PV modules in turn shall have to use solar PV cells from amongst the models and manufacturers enlisted in ALMM List-II for solar PV cells, as per the details specified in following paragraphs.

5. For all projects *(including the projects bid out following the Guidelines issued by the Central Government under Section 63 of the Electricity Act 2003)* which are mandated to use solar PV modules from ALMM List-I (for solar PV modules), if the last date of bid submission is on or before the issuance of this order, such projects shall be mandated to use solar PV modules from ALMM List-I (for solar PV modules) but will stand exempted from the requirement of using solar PV cells from ALMM List-II (for solar PV cells), irrespective of their date of commissioning, i.e. such projects will be exempt from the requirement of using solar PV cells from ALMM List-II, even if their date of commissioning is beyond 1st June 2026.

6. All projects *(including the projects bid out following the Guidelines issued by the Central Government under Section 63 of the Electricity Act 2003)* that are covered under ALMM and where the last date of bid submission is after the date of issuance of this order, shall have a clause in their tender documents / Request for Selection (RfS) documents that the solar PV modules and solar PV cells used in such projects shall be from the models and manufacturers included in ALMM List-I (for solar PV modules) and ALMM List-II (for solar PV cells) and this

condition will have to be followed irrespective of the date of commissioning, i.e. even if such projects get commissioned prior to 1st June 2026. In case of such tenders which have been issued prior to the date of issuance of this order, but the last date of bid submission is after the issuance of this order, the concerned bidding agency would issue an amendment to the tender document to include provisions stating that bidders shall take into account the provisions of ALMM for solar PV cells while submitting their bids.

7. From 1st June, 2026 onwards, only such solar PV modules will remain in ALMM List-I (for solar PV modules) which are using solar PV cells from ALMM List-II (for solar PV cells) and solar PV module manufacturers who fail to comply to this condition, will be liable to be delisted from ALMM List-I (for solar PV modules). However, after 31st May 2026, a separate ALMM List-I(a) (for solar PV modules) would be maintained and this list would contain such solar PV modules which are enlisted in ALMM but do not use solar PV cells from ALMM List-II (for solar PV cells) and this ALMM List-I(a) (for solar PV modules) would be applicable only for such projects which are mandated to use solar PV modules from ALMM for solar PV modules [List-I / List-I(a)] but are exempt from using solar PV cells from ALMM List-II for solar PV cells.

8. Net-Metering Projects and Open Access RE Power Projects are mandated to use solar PV modules enlisted in ALMM, unless such projects are exempt from ALMM in accordance with provisions of MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(5) dated 07.10.2022, clarified and reiterated by MNRE's O.M. No. 283/54/2018-GRID SOLAR-Part(2) dated 14.10.2024, MNRE's O.M. 1/74/2023-NT dated 27.05.2024, or any other O.M./Order/Instruction from MNRE for exemption from ALMM. These Net-Metering and Open Access RE Power Projects which are mandated to use ALMM enlisted modules, will stand exempted from the requirement of using solar PV cells from ALMM List-II if such projects get commissioned prior to 1st June 2026. All the Net-Metering Projects and Open Access RE Power Projects which get commissioned on or after 1st June 2026, shall have to mandatorily source their solar PV modules from ALMM List-I and solar PV cells from ALMM List-II.

9. Thin Film technology based Solar PV Modules enlisted in ALMM List-I and manufactured in Integrated Solar PV Module Manufacturing units enlisted in ALMM List-I, shall be considered to be in deemed compliance to the requirement of using solar PV cells from ALMM List-II.

10. Procedural Guidelines for enlistment of Models and Manufacturers of Solar PV Cells under ALMM List-II (for Solar PV Cells) will be issued subsequently.

11. This issues with the approval of Hon'ble Minister (New & Renewable Energy).

(Sanjay G. Karndhar)
Scientist-E
Tel: 011-20849047
Email: karndhar.sg@nic.in

To: All concerned

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