

**OFFICE MEMORANDUM**

**Sub: Request for comments on the proposed standardized nomenclature for Solar PV Cell Models under ALMM List-II.**

1. This Ministry, vide O.M. of even number dated 03.08.2026, floated a draft proposal for adoption of a standardized nomenclature for solar PV cell models enlisted under the Approved List of Models and Manufacturers (ALMM) List-II, requesting comments/suggestions from the stakeholders. Comments/suggestions received from the stakeholders in this regard have been examined by the Ministry.
2. Based on the comments/suggestions, the proposed nomenclature has been suitably revised. The revised standardized nomenclature for solar PV cell models under ALMM List-II is enclosed at **Annex** to this O.M.
3. The revised nomenclature is hereby circulated for further consultation with the stakeholders. Additional comments/suggestions, if any, on the revised nomenclature may be furnished to the undersigned through email at [azmal.mnre@gov.in](mailto:azmal.mnre@gov.in) **latest by 12.10.2026**.

  
(Mohd Azmal Mansoori)

Scientist 'C'

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**To: All concerned**

**Copy to:** Director (Technical), NIC, MNRE, for uploading on MNRE's website.

## DRAFT

F. No. 283/59/2026-GRID SOLAR

भारत सरकार / Government of India

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

Atal Akshay Urja Bhawan,

Lodhi Road, New Delhi

Date: 05<sup>th</sup> October, 2026OFFICE MEMORANDUM**Sub: Draft Standardized nomenclature for Solar PV Cell Models under ALMM List-II.**

1. The Approved List of Models and Manufacturers (ALMM) for Solar PV Cells (List-II) presently contains the model names of solar PV cells as furnished by individual manufacturers. In the absence of a prescribed standard nomenclature, manufacturers presently follow their own proprietary model naming conventions. Consequently, the model names vary considerably across manufacturers and do not provide a uniform basis for identification of the technical characteristics of the solar PV cells.

2. With a view to introducing uniformity in identification of solar PV cell models and improving traceability, the Ministry has prepared a draft proposal for adoption of a standardized nomenclature comprising the Brand Name of the manufacturer followed by a 14-digit alphanumeric code for all solar PV cell models enlisted under ALMM List-II. The proposed nomenclature is intended to provide a unique identification number for each enlisted model while incorporating basic technical information relating to the product.

3. The proposed nomenclature shall consist of the **Brand Name of the manufacturer**, followed by a space, followed by a **14-digit alphanumeric code**, structured as follows:

| Position   | Code                  | Description                                                                                                                                                      |
|------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand Name | Manufacturer-specific | <b>Brand Name:</b> Brand name of the manufacturer producing the solar PV cell model                                                                              |
| 1          | D/F                   | <b>Polysilicon Origin</b> used for manufacture of ingot, <b>or Front Glass Origin</b> in the case of Thin Film technology:<br>D: Domestic (Indian)<br>F: Foreign |
| 2          | D/F                   | <b>Ingot Origin</b> used for manufacture of wafer, <b>or Ingot-equivalent Process Origin</b> , as applicable:<br>D: Domestic (Indian)<br>F: Foreign              |
| 3          | D/F                   | <b>Wafer Origin</b> or <b>Wafer Equivalent Process Origin</b> , as applicable:<br>D: Domestic (Indian)<br>F: Foreign                                             |
| 4          | D/F                   | <b>Cell Origin:</b><br>D: Solar PV cell, or equivalent process, manufactured in India. A solar cell manufactured using a Blue Wafer                              |

|       |                        |                                                                                                                                                                                                                                                                                                                                                |
|-------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |                        | (diffused silicon wafer) shall not be treated as a domestically manufactured cell.<br><b>F</b> – Solar PV cell manufactured outside India                                                                                                                                                                                                      |
| 5-6   | MP/TC/HJ/BC/PS<br>etc. | <b>Cell Technology:</b><br>MP – Mono PERC<br>TC – TOPCon<br>HJ – HJT<br>BC – Back Contact<br>PS – Perovskite<br>Appropriate codes for other emerging cell technologies may be incorporated, as required.                                                                                                                                       |
| 7-8   | MA/ MB/ GA/ GB<br>etc. | <b>Wafer Size:</b><br>MA – M10<br>MB – M10R<br>GA – G12<br>GB – G12R,<br>Additional codes may be incorporated based on technological developments and prevailing market requirements.                                                                                                                                                          |
| 9-11  | 246/ 255 etc.          | <b>Cell Efficiency:</b> The first three digits of the cell efficiency, expressed as a percentage, with the decimal point omitted. For example, an efficiency of 24.67% shall be represented as 246, and an efficiency of 25.55% as 255.<br><br><b>Efficiency of solar cell manufactured:</b><br>Truncated First three digits of the efficiency |
| 12-14 | xxx                    | Reserved                                                                                                                                                                                                                                                                                                                                       |

**4. Illustration:** By way of illustration only, the nomenclature may appear as under:

**i. ABC FDDDTCGB256xxx**

which may be interpreted as:

- ABC – Brand name of manufacturer producing the said model
- F – Imported/Foreign polysilicon
- D – Domestic ingot
- D – Domestic wafer
- D – Cell manufactured in India
- TC – TOPCon technology
- GB – G12R Wafer size
- 256 – Solar Cell efficiency of 25.67%
- xxx – Reserved

**ii. ABC FFDMPMA245xxx**

may represent:

- ABC – Brand name of manufacturer producing the said model
- F – Imported/Foreign polysilicon
- F – Imported/Foreign ingot
- F – Imported/Foreign wafer
- D – Cell manufactured in India

- MP – Mono PERC technology
- MA – M10 wafer size
- 245 – Solar Cell efficiency of 24.55%
- xxx – Reserved

**5.** All inspections to be carried out by NISE for the purpose of enlistment of solar PV cell models and manufacturers under ALMM List-II, after the date of issuance of this O.M., shall be undertaken in accordance with the standardized nomenclature specified above. Accordingly, the model details verified during such inspections and recommended for enlistment under ALMM List-II shall conform to the prescribed nomenclature.

**6.** In respect of manufacturers and solar PV cell models for which inspection has already been completed as on the date of issuance of this O.M., as well as those already enlisted under ALMM List-II, the nomenclature of the respective models shall be revised in accordance with the standardized nomenclature specified above within a period of two months from the date of issuance of this O.M. NISE shall take necessary action in this regard in coordination with the concerned manufacturers.

**7.** The proposed standardized nomenclature is envisaged to serve as a unique identification framework for every solar PV cell model enlisted under ALMM List-II. Besides facilitating enlistment under ALMM List-II, it is expected to promote uniform identification and traceability of solar PV cells across the value chain and may serve as a common product identifier for regulatory, commercial and other related purposes. The cell origin (Domestic/Foreign) would also be brought out for distinction between ALMM List-I and ALMM List-I(a) solar modules, based on the Bill of Materials (BoM).