SOLAR THERMAL SYSTEMS, DEVICES AND COMPONENTS / IN FORCE

Quality Control Order for solar water heating collectors, systems and storage tanks

Solar flat plate collectors, evacuated tube solar water heating systems and their storage tanks must carry the BIS Standard Mark under a 2024 order.

THE SOLAR THERMAL Systems, Devices and Components (Quality Control) Order, 2024 was issued by the Ministry of New and Renewable Energy as S.O. 4485(E), dated October 8, 2024 and published on October 14, 2024. It covers solar flat plate collectors for solar water heating systems under IS 12933 (Part 1): 2003 and IS 12933 (Part 2): 2003, all glass evacuated tubes solar water heating systems under IS 16544: 2016, and their storage water tanks under IS 16542: 2016.

STANDARDS 4

IS 12933 (Part 1): 2003

Solar Flat Plate Collector - Specification Part 1 Requirements

IS 12933 (Part 2): 2003

Solar Flat Plate Collector- Specification Part 2 Components

IS 16544: 2016

All Glass Evacuated Tubes Solar Water Heating System

IS 16542: 2016

Direct Insertion Type Storage Water Tank for All Glass Evacuated Tubes Solar Collector- Specification

KEY FACTS

ORDER

Solar Thermal Systems, Devices and Components (Quality Control) Order, 2024

CAME INTO FORCE

On the expiry of one hundred and eighty days from the date of its publication in the Official Gazette (published October 14, 2024)

WHERE IT STANDS

In force

REFERENCES

S.O. 4485(E)	In force

Quality Control Order for solar water heating collectors, systems and storage tanks

Solar Thermal Systems, Devices and Components (Quality Control) Order, 2024 · Ministry of New and Renewable Energy

The Solar Thermal Systems, Devices and Components (Quality Control) Order, 2024 was issued by the Ministry of New and Renewable Energy as S.O. 4485(E), dated October 8, 2024 and published on October 14, 2024. It covers solar flat plate collectors for solar water heating systems under IS 12933 (Part 1): 2003 and IS 12933 (Part 2): 2003, all glass evacuated tubes solar water heating systems under IS 16544: 2016, and their storage water tanks under IS 16542: 2016.

The goods must conform to the corresponding standard and bear the Standard Mark under a licence from the Bureau of Indian Standards, in accordance with Scheme-I of Schedule II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018. Goods meant for export are excluded.

The Bureau is the certifying and enforcing authority. The Bureau, or agencies it notifies, in consultation with the Ministry of New and Renewable Energy, conducts market surveillance of goods bearing the Standard Mark. Contraventions are punishable under sub-section (3) of section 29 of the Bureau of Indian Standards Act, 2016.

The order comes into force on the expiry of one hundred and eighty days from its publication. The register lists no amendment to it.

Order	Solar Thermal Systems, Devices and Components (Quality Control) Order, 2024
Issued by	Ministry of New and Renewable Energy
Product group	Solar Thermal Systems, Devices and Components
Where it stands	In force
What it requires	The listed solar thermal goods must conform to the corresponding Indian Standard and bear the Standard Mark under a licence from the Bureau of Indian Standards. The latest version of each standard published by the Bureau applies from the date of its publication.
Certification scheme	Scheme-I of Schedule II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018
Came into force	On the expiry of one hundred and eighty days from the date of its publication in the Official Gazette (published October 14, 2024)

Exemptions	Goods or article meant for export
Enforcement	The Bureau of Indian Standards is the certifying and enforcing authority; the Bureau, or agencies it notifies, in consultation with the Ministry of New and Renewable Energy, conducts market surveillance. Contraventions are punishable under sub-section (3) of section 29 of the Bureau of Indian Standards Act, 2016.

The products and their standards

Product	Indian Standard	Title of the standard
Solar Flat Plate Collector for Solar Water Heating Systems	IS 12933 (Part 1): 2003	Solar Flat Plate Collector - Specification Part 1 Requirements
Solar Flat Plate Collector for Solar Water Heating Systems	IS 12933 (Part 2): 2003	Solar Flat Plate Collector- Specification Part 2 Components
All Glass Evacuated Tubes Solar Water Heating System	IS 16544: 2016	All Glass Evacuated Tubes Solar Water Heating System
Storage Water Tank for All Glass Evacuated Tubes Solar Water Heating Systems	IS 16542: 2016	Direct Insertion Type Storage Water Tank for All Glass Evacuated Tubes Solar Collector-Specification

Every notification on this order

Date	Notification	Status	What it did
October 14, 2024	S.O. 4485(E) PDF, 1.7 MB · Gazette	In force	Dated October 8, 2024, it issued the Solar Thermal Systems, Devices and Components (Quality Control) Order, 2024, covering solar flat plate collectors, all glass evacuated tubes solar water heating systems and their storage water tanks, from 180 days after publication.

Each notification is linked, as a PDF, in the list above.

Where a notification shows "Gazette", that links the Gazette of India's copy; ours was checked against it on October 20, 2026.

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Read online: indusdesk.com/qco/tracker/solar-water-heating-collectors-systems-and-storage-tanks-so-4485/