

Bureau of Indian Standards

Registration Department

Our Ref: IS 16046 (Part 2)

10 February 2026

Subject: Guidelines for verification of rated capacity [Clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017] for portable sealed secondary Lithium Cells and Batteries-Reg

General:

1. IS 16046 (Part 2): 2018/IEC 62133-2: 2017 had been notified by MeitY under Electronics and IT Goods (Requirements for Compulsory Registration), Order, 2021.
2. Reference is invited to MeitY's OM W-47/14/2024-IPHW dated 03 February 2026 wherein it has been mandated that *"In order to protect the interest of the consumers, it is required to measure and verify the rated capacity of sealed secondary Lithium cells and batteries. Accordingly, rated capacity for sealed secondary Lithium cells and batteries shall be measured in accordance with the test method for rated capacity specified in clause 7.3.1 of IS 16047: part3, and shall be reported for compliance under IS 16046(Part 2)"* (Copy of the OM issued by MeitY is attached as Annexure to this circular).
3. In order to operationalize the above requirement mandated by MeitY, following implementation guidelines shall be followed.

Implementation guidelines is as follows:

Portable sealed secondary Lithium Cells and Batteries as per IS 16046 (Part 2):2018/ IEC 62133-2:2017 shall undergo verification of rated capacity as per clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 (Discharge performance at 20 deg C [rated capacity])

A. For existing licensees:

- (i) All existing licensees having validity of their licence upto 30 April 2027 for Portable sealed secondary Lithium cells and batteries as per IS 16046 (Part 2): 2018/IEC 62133-2: 2017 shall also ensure compliance to clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 by 30 April 2027.
- (ii) All existing licensees having validity of their licence beyond 30 April 2027 for Portable sealed secondary Lithium cells and batteries as per IS 16046 (Part 2): 2018/IEC 62133-2: 2017 shall also ensure compliance to clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 by the last date of validity of their licence.
- (iii) Existing licensees shall ensure conformance to clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 (Discharge performance at 20 deg C [rated capacity]) through submission of test Report(s) issued by third party laboratory for all lead model(s) covered under existing scope of licence. Manufacturers shall generate test request through LIMS for IS 16046 (Part 2): 2018/ IEC 62133-2: 2017 and apply

online through Standard Revision/Amendment/ Essential Requirement Module. In the test reports, labs would indicate the test report number under which models were tested for safety requirements as per IS 16046 (Part 2): 2018/ IEC 62133-2: 2017. Further labs are required to report the measured capacity under Clause 4 in the modified Unified Test Report Format of IS 16046 (Part 2): 2018/IEC 62133-2:2017.

- (iv) Further, the licencees shall provide an undertaking stating that the remaining models comply to clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 (Discharge performance at 20 deg C [rated capacity]).
- (v) If the licensee fails to complete all actions by the applicable dates as indicated at Sl No. A (i) and (ii), suspension/cancellation of the licence/ deletion of model from scope of the licence may be initiated.

B. For New Applicants:

- (i) Existing applications where sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed without additional test as clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 (Discharge performance at 20 deg C [rated capacity]).
- (ii) The existing applications which are under process as per IS 16046 (Part 2) shall be processed provided they give an undertaking to submit report for clause 7.3.1 of IS 16047 (Part 3):2018/IEC 61960-3: 2017 by the last date of validity of the licence.
- (iii) Beyond 30 April 2027, no licence shall be granted as per IS 16046 (Part 2) if additional test of rated capacity is not reported in the test report for IS 16046 (Part 2).

C. For Change in Scope of Licence

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.

3. The above guidelines shall come into force with immediate effect.

(Avik Datta)

Sc D

H(Registration)

DDG (Certification)

Annexure

No: W-47/14/2024-IPHW
Government of India
Ministry of Electronics and Information technology
IPHW Division

Electronics Niketan
6CGO Complex,
Lodhi Road, New Delhi
Dated 03.02.2026

ORDER

Subject: Measurement of rated capacity of lithium cells and batteries under IS 16046 (Part 2) – reg.

IS 16046: Part 2: 2018 for Li ion systems has been mandated under the Electronics and Information Technology Goods (Requirement of Compulsory Registration) Order, 2021. The standard IS 16046: Part 2: 2018 requires declaration of rated capacity on lithium cells and batteries, however, various complaints and instances of misdeclaration of rated capacity have been observed.

2. In order to protect the interest of consumers, it is required to measure and verify the rated capacity for sealed secondary Lithium cells and batteries. Accordingly, the rated capacity for sealed secondary Lithium cells and batteries shall be measured in accordance with the test method for rated capacity specified in Clause 7.3.1 of IS 16047: Part 3, and shall be reported for compliance under IS 16046 (Part 2).

3. BIS shall publish the revised Test Report Format and issue implementation guidelines to operationalize this requirement.

4. These requirements shall come into force with effect from 1st May 2027 for new registrations, inclusion and renewal of registration for cells and batteries. The existing registrations shall remain valid till their validity period,

subject to the condition that for the samples picked up during surveillance, the rated capacity for sealed secondary Lithium cells and batteries is within the specified limits.

5. This issues with the approval of the competent authority.



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To,

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