

F. No. 8(1)/2021-HEI  
Government of India  
Ministry of Heavy Industries  
HEI Division

Udyog Bhawan, New Delhi  
Dated: 3<sup>rd</sup> April , 2024

**Circular**

**Subject: Electrical Equipment (Quality Control) Order-Reg.**

The undersigned is directed to place the draft of Electrical Equipment (Quality Control) Second Amendment Order, 2024 (copy attached) consisting of a phased implementation plan for the products under the scope of EEQCO on the website of the Ministry of Heavy Industries (<https://heavyindustries.gov.in/>) for public comments, if any.

2. The comments may be sent through email to [divhei-dhi@gov.in](mailto:divhei-dhi@gov.in) by 10<sup>th</sup> April 2024 to this Ministry.

(Uday Bhan Singh)  
Under Secretary to Govt. of India

[To be published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii)]

Ministry of Heavy Industries

Government of India

Order

New Delhi, the ----, 2024

S. O. (E).— In exercise of the powers conferred by section 16, read with section 25 of the Bureau of Indian Standards Act, 2016 (11 of 2016), the Central Government, after consulting the Bureau of Indian Standards, is of the opinion that it is necessary or expedient so to do in the public interest, hereby makes the following Order to amend the Electrical Equipment (Quality Control) Order, 2020 and Electrical Equipment (Quality Control) Amendment Order, 2023 namely:-

1. **Short title and commencement.** - (1) This Order may be called the Electrical Equipment (Quality Control) Second Amendment Order, 2024.

(2) It shall come into force from the date as mentioned in column (5) of the Table to this Order.

2. For the Table to the said Order, the following Table shall be substituted, namely: -

"TABLE

Sl. No.	Electrical Equipment (Goods)	Indian Standards	Title of Indian Standard	Date of Implementation	Product Category	Specific Requirement
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.1.(a)	Low - Voltage switchgear and controlgear: Circuit Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit Breakers (First Revision)	10 <sup>th</sup> May 2024 (under review)	AC Circuit - Breakers (Category A) - All ratings upto 630 A,	All test as per IS/IEC 60947 : Part 2 : 2016 except the test listed below in

					upto 440V AC	Sr. No. 1.1.(b) of this table.
1.1.(b)	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947: Part 2: 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2026*	AC Circuit - Breakers (Category A) - All ratings upto 630 A, upto 440V AC	Electromagnetic compatibility (EMC) mentioned in Annex J and All test specified for specific application as mentioned in the Annexure(s) of the IS/IEC 60947 : Part 2 : 2016
1.2.(a)	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947: Part 2: 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2025	AC Circuit - Breakers (Category - A)- All ratings above 630A , upto 440V AC	All test as per IS/IEC 60947 : Part 2 : 2016 except the test listed below in Sr. No. 1.2. (b) of this table.
1.2.(b)	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947: Part 2: 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2026*	AC Circuit - Breakers (Category - A)- All ratings above 630A , upto 440V AC	Electromagnetic compatibility (EMC) mentioned in Annex J and All test specified for specific application as mentioned in the Annexure(s) of the IS/IEC 60947 : Part 2 : 2016
1.3.(a)	Low - Voltage switchgear and	IS/IEC 60947:	Low - Voltage switchgear and	10 <sup>th</sup> May 2025	AC Circuit Breakers	All test as per IS/IEC 60947 :

	controlgear: Circuit - Breakers	Part 2 : 2016	controlgear: Part 2 circuit - Breakers (First Revision)		(Category - B)- All ratings upto 2000 A, upto 440V AC	Part 2 : 2016 except the test listed below in Sr. No. 1.3.(b) of this table.
1.3.(b )	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2026*	AC Circuit Breakers (Category - B)- All ratings upto 2000 A, upto 440V AC	Electromagneti c compatibility (EMC) mentioned in Annex J and All test specified for specific application as mentioned in the Annexure(s) of the IS/IEC 60947 : Part 2 : 2016
1.4	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and control gear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2026	AC Circuit - Breakers (Category - A)- All ratings, above 440V AC	All test as per IS/IEC 60947 : Part 2 : 2016.
1.5	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2026	AC Circuit - Breakers (Category- B )- ratings above 2000A, Upto 440V AC	All test as per IS/IEC 60947 : Part 2 : 2016.
1.6	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2027	AC Circuit - Breakers (Category - B)- All ratings,	All test as per IS/IEC 60947 : Part 2 : 2016.

					above 440V AC	
1.7	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2027	DC Circuit - Breakers (Category - A)- All ratings	All test as per IS/IEC 60947 : Part 2 : 2016.
1.8	Low - Voltage switchgear and controlgear: Circuit - Breakers	IS/IEC 60947 : Part 2 : 2016	Low - Voltage switchgear and controlgear: Part 2 circuit - Breakers (First Revision)	10 <sup>th</sup> May 2027	DC Circuit - Breakers (Category - B) - All ratings	All test as per IS/IEC 60947 : Part 2 : 2016.
2.1 (a)	Low - Voltage switchgear and controlgear: switches, disconnectors, switch disconnectors and fuse - Combination units	IS/IEC 60947 : Part 3 : 2020	Low - Voltage switchgear and controlgear: Part 3 switches, disconnectors, switch disconnectors and fuse - Combination units	10 <sup>th</sup> May 2025	All AC utilization categories Upto 250A, Upto 440V AC	All test as per IS/IEC 60947 : Part 3 : 2020, except the test listed below in Sr. No. 2.1.(b) of this table.
2.1 (b)	Low - Voltage switchgear and controlgear: switches, disconnectors, switch disconnectors and fuse - Combination units	IS/IEC 60947 : Part 3 : 2020	Low - Voltage switchgear and controlgear: Part 3 switches, disconnectors, switch disconnectors and fuse - Combination units	10 <sup>th</sup> May 2026*	All AC utilization categories Upto 250A, Upto 440V AC	Electromagnetic compatibility (EMC) mentioned in clause 9.4 and all test specified for specific application as mentioned in the Annexure(s) of IS/IEC 60947 : Part 3 : 2020
2.2	Low - Voltage switchgear and controlgear:	IS/IEC 60947 :	Low - Voltage switchgear and controlgear: Part	10 <sup>th</sup> May 2026	All AC utilization categories	All test as per IS/IEC 60947 : Part 3 : 2020.

	switches, disconnectors, switch disconnectors and fuse - Combination units	<b>Part 3 : 2020</b>	3 switches, disconnectors, switch disconnectors and fuse - Combination units		Upto 630 A, Upto 440V AC	
2.3	Low - Voltage switchgear and controlgear: switches, disconnectors, switch disconnectors and fuse - Combination units	<b>IS/IEC 60947 : Part 3 : 2020</b>	Low - Voltage switchgear and controlgear: Part 3 switches, disconnectors, switch disconnectors and fuse - Combination units	10 <sup>th</sup> May 2027	All AC utilization categories Above 630 A, Upto 440V AC	All test as per IS/IEC 60947 : Part 3 : 2020.
2.4	Low - Voltage switchgear and controlgear: switches, disconnectors, switch disconnectors and fuse - Combination units	<b>IS/IEC 60947 : Part 3 : 2020</b>	Low - Voltage switchgear and controlgear: Part 3 switches, disconnectors, switch disconnectors and fuse - Combination units	10 <sup>th</sup> May 2028	All AC utilization categories All ratings, above 440V AC	All test as per IS/IEC 60947 : Part 3 : 2020.
2.5	Low - Voltage switchgear and controlgear: switches, disconnectors, switch disconnectors and fuse - Combination units	<b>IS/IEC 60947 : Part 3 : 2020</b>	Low - Voltage switchgear and controlgear: Part 3 switches, disconnectors, switch disconnectors and fuse - Combination units	10 <sup>th</sup> May 2028	All DC utilization categories, All ratings.	All test as per IS/IEC 60947 : Part 3 : 2020.
3.1(a)	Low - Voltage switchgear and controlgear: electromechanic	<b>IS/IEC 60947 : Part 4 :</b>	Low - Voltage switchgear and controlgear: Part 4 contactors and	10 <sup>th</sup> May 2025	Contactor - All AC utilization categories	All test as per IS/IEC 60947 : Part 4 : Sec 1 : 2018. except

	al contactors and motor - Starters	<b>Sec 1 : 2018</b>	motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)		Upto 32A	the test listed below in Sr. No. 3.1.(b) of this table.
3.1(b)	Low - Voltage switchgear and controlgear: electromechanical contactors and motor - Starters	<b>IS/IEC 60947 : Part 4 : Sec 1 : 2018</b>	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)	10 <sup>th</sup> May 2026*	Contactor - All AC utilization categories Upto 32A	Electromagnetic compatibility (EMC) mentioned in clause 9.4 and all test specified for specific application as mentioned in the Annexure(s) of IS/IEC 60947 : Part 4 : Sec 1 : 2018.
3.2	Low - Voltage switchgear and controlgear: electromechanical contactors and motor - Starters	<b>IS/IEC 60947 : Part 4 : Sec 1 : 2018</b>	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)	10 <sup>th</sup> May 2026	Contactor - All AC utilization categories, above 32A	All test as per IS/IEC 60947 : Part 4 : Sec 1 : 2018.
3.3	Low - Voltage switchgear and controlgear: electromechanical contactors and motor - Starters	<b>IS/IEC 60947 : Part 4 : Sec 1 : 2018</b>	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)	10 <sup>th</sup> May 2027	Starter- All AC utilization categories direct-on-line a.c. starter	All test as per IS/IEC 60947 : Part 4 : Sec 1 : 2018.

3.4	Low - Voltage switchgear and controlgear: electromechanical contactors and motor - Starters	IS/IEC 60947: Part 4: Sec 1: 2018	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)	10 <sup>th</sup> May 2028	Starter- All AC utilization categories. All other Starters	All test as per IS/IEC 60947: Part 4: Sec 1: 2018.
3.5	Low - Voltage switchgear and controlgear: electromechanical contactors and motor - Starters	IS/IEC 60947: Part 4: Sec 1: 2018	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 1 electromechanical contactors and motor - Starters (First Revision)	10 <sup>th</sup> May 2028	All DC utilization categories. All DC ratings	All test as per IS/IEC 60947: Part 4: Sec 1: 2018.
4.	Low - Voltage switchgear and controlgear: a.c. semiconductor motor controllers and starters	IS/IEC 60947: Part 4: Sec 2: 2020	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 2 a.c semiconductor motor controllers and starters (First Revision)	10 <sup>th</sup> May 2025	All types of product ratings	All test as per IS/IEC 60947: Part 4: Sec 2: 2020.
5.	Low - Voltage switchgear and controlgear: a.c. semiconductor motor controllers and contactors for non - Motor loads	IS/IEC 60947: Part 4: Sec 3: 2020	Low - Voltage switchgear and controlgear: Part 4 contactors and motor - Starters: Sec 3 a.c. semiconductor motor controllers and contactors for non - Motor	10 <sup>th</sup> May 2025	All types of product ratings	All test as per IS/IEC 60947: Part 4: Sec 3: 2020.



			loads (Second Revision)			
6.1(a)	Low - Voltage switchgear and controlgear: electromechanical control circuit devices	IS/IEC 60947: Part 5: Sec 1: 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 1 electromechanical control circuit devices (First Revision)	10 <sup>th</sup> May 2025	All AC utilization categories Upto 440V AC	All test as per IS/IEC 60947: Part 5: Sec 1: 2016. except the test listed below in Sr. No. 6.1(b) of this table.
6.1(b)	Low - Voltage switchgear and controlgear: electromechanical control circuit devices	IS/IEC 60947: Part 5: Sec 1: 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 1 electromechanical control circuit devices (First Revision)	10 <sup>th</sup> May 2026*	All AC utilization categories Upto 440V AC	Electromagnetic compatibility (EMC) test mentioned in clause 8.3 and all test specified for specific application as mentioned in the Annexure(s) of IS/IEC 60947: Part 5: Sec 1: 2016.
6.2	Low - Voltage switchgear and controlgear: electromechanical control circuit devices	IS/IEC 60947: Part 5: Sec 1: 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 1 electromechanical control circuit devices (First Revision)	10 <sup>th</sup> May 2026	All AC utilization categories Above 440V AC	All test as per IS/IEC 60947: Part 5: Sec 1: 2016.

6.3	Low - Voltage switchgear and controlgear: electromechanical control circuit devices	IS/IEC 60947 : Part 5 : Sec 1 : 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 1 electromechanical control circuit devices (First Revision)	10 <sup>th</sup> May 2027	All DC utilization categories All DC ratings	All test as per IS/IEC 60947 : Part 5 : Sec 1 : 2016
7.	Low - Voltage switchgear and controlgear proximity switches	IS/IEC 60947 : Part 5 : Sec 2 : 2019	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 2 proximity switches	10 <sup>th</sup> May 2025	All types of product ratings	All test as per IS/IEC 60947 : Part 5 : Sec 2 : 2019.
8.1	Low - Voltage switchgear and controlgear: electrical emergency stop devices with mechanical latching function	IS/IEC 60947 : Part 5 : Sec 5 : 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 5 electrical emergency stop devices with mechanical latching function	10 <sup>th</sup> May 2025	All devices with button type actuator	All test as per IS/IEC 60947 : Part 5 : Sec 5 : 2016.
8.2	Low - Voltage switchgear and controlgear: electrical emergency stop devices with mechanical latching function	IS/IEC 60947 : Part 5 : Sec 5 : 2016	Low - Voltage switchgear and controlgear: Part 5 control circuit devices and switching elements: Sec 5 electrical emergency stop	10 <sup>th</sup> May 2026	All devices with all types of actuator	All test as per IS/IEC 60947 : Part 5 : Sec 5 : 2016.

			devices with mechanical latching function			
--	--	--	---	--	--	--

Note.- A product grouping guideline for obtaining a license from certifying and enforcing authority, i.e., Bureau of Indian Standards in this regard will be issued separately with the approval of the Competent Authority, if required.

\* Subjected to the condition that Manufacturer shall submit declaration to Bureau of Indian Standards for submission of a report of test compliance by 10<sup>th</sup> May, 2026 or if any other date notified in this regard, whichever is later.”.

[F. No. 8(1)/2018-HEI-Part(1)]  
Vijay Mittal, Jt. Secy.

Note.- The principal Order, i.e., the Electrical Equipment (Quality Control) Order, 2020 was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii), vide notification number S.O. 4044(E), dated the 11<sup>th</sup> November, 2020. Subsequently, extension in timelines for the implementation was given through notification number S.O. 4492(E), dated the 18<sup>th</sup> October, 2021 and S.O. 5083(E), dated the 28<sup>th</sup> October, 2022.

The Electrical Equipment (Quality Control) Amendment Order, 2023 was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii), vide notification number S.O. 2132(E), dated the 9<sup>th</sup> May, 2023.