

Electrical Equipment, (Quality Control) Order

Important Links & Frequently Asked Questions

Important Links

1. Electrical Equipment (Quality Control) Order, 2020 (EEQCO,2020):

https://heavyindustries.gov.in/sites/default/files/2023-09/electrical_equipment_qco_2020_1.pdf

2. Electrical Equipment (Quality Control) Amendment Order, 2023(EEQCAO,2023):

<https://heavyindustries.gov.in/sites/default/files/2023-09/electrical-equipment-quality.pdf>

3. Electrical Equipment (Quality Control) Second Amendment Order, 2024(EEQCSAO,2024):

https://heavyindustries.gov.in/sites/default/files/2024-05/electrical_equipment_quality_control_second_amendment_order_2024.pdf

4. Scheme-X of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018:

<https://www.bis.gov.in/wp-content/uploads/2022/03/Scheme-10.pdf>

5. Guidelines for Grant of Licence (GoL) as per the conformity assessment Scheme – X of Schedule – II of BIS (Conformity Assessment) Regulations, 2018:

<https://www.bis.gov.in/wp-content/uploads/2023/06/3-Guidelines-for-Grant-of-Licence.pdf>

6. Product Specific Guidelines for Low Voltage Switchgear and Controlgear: Circuit Breakers conforming to IS/IEC60947-2:2016:

<https://heavyindustries.gov.in/sites/default/files/2023-09/product-specific-guidline.pdf>

7. Fee Structure for application under Scheme-X:

<https://www.bis.gov.in/wp-content/uploads/2023/06/4-Fees-under-Scheme-X.pdf>

Details of Nodal Persons for testing of products under EEQCO

Sr. No.	LAB	Person name and designation	Contact details
1	Central Power Research Institute, BHOPAL.	Smt. Sarita Dongre, Joint Director,	email: sarita@cpri.in Phone : +91(0)755-2586682
		Shri Himangshu Roy, Joint Director,	email: himangshu@cpri.in Phone : +91(0)755-2586682
2	Central Power Research Institute Bangalore	Shri B R Vasudevamurthy, Joint Director- Short Circuit Laboratory.	Email id: brvmurthy@cpri.in Contact No.: +91-9972292594
3	Electrical Research & Development Association, Vadodara	Mr. Y.I. Pathan Sr. Manager and Head – Switchgear and Short Circuit Laboratory	Email – yi.pathan@erda.org Contact No.: +91-9978940916
4	GIGA LABS, Bengaluru	Rachna Verma, Head Of Laboratory	Email:- arul.jyothi@se.com Contact No. +91-9739904141 Email:- vinay.pai@se.com Contact No:- +91-9585514478
5	Novateur Electrical and Digital Systems Pvt Ltd, Nashik.	Shri Mr.Tushar B. Dhake, Manager	Email id: nedspl.lab@legrand.com Contact No. +91-8657926870
6	Switchgear Testing Laboratories-MSW Schneider Electric (I)Pvt. Ltd. MAHAPE, Mumbai	Shri Virender singh Bura, Lab Head Switchgear Testing Laboratories	Email :- virender.bura@lk-ea.com Contact No.:- +91 9987796162
7	TYPE TEST CENTER SIEMENS LIMITED KALWA, THANE BELAPUR ROAD, Mumbai	Shri Rahul Srivastava	Email:- srivastava.rahul@siemens.com Contact No.: +91 8422993766
		Shri Akash Bandivdekar	Email:- akash.bandivdekar@siemens.com Contact No.: +91 9819380680
8	UL India Pvt Ltd, Bangalore	Shri Madhusudhan BK, Engineering Leader – South Asia (Power & Automation)	Email ID- Madhusudhan.BK@ul.com Contact No.: +91 80 41384400

Frequently Asked Questions

Q.1 What are the products covered under the scope of the Electrical Equipment (Quality Control) Order, 2020?

Ans. the 8 categories of Low - Voltage switchgear and controlgear: such as Circuit – Breakers, switches, disconnectors, switch disconnectors, etc. as described in column 2 of the table of the EEQCO and subsequent amendments made from time to time.

Q2. Who is the Certifying and Enforcing Authority for the Order?

Ans. Bureau of Indian Standards is the certifying and enforcing authority in respect of the Electrical Equipment specified in this order.

Q3. Who will require to obtain the license for standard mark from BIS?

Ans. Any person who is engaged in the manufacturing of the electrical equipment mentioned under the table. But any person who is engaged in import, distribute, sell, hire, lease, store or exhibit for sale is not permitted to do such activity, for product(s) mentioned in the table of the Order without a valid standard mark and license under Scheme-X of Schedule-II to the Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 as per EEQCAO .

Q4. What is the date of implementation of the Order?

Ans. The implementation dates are as mentioned in the column no 5 of the table mentioned in the EEQCO and subsequent amendments made from time to time.

Q5. Will manufacturer, seller, exporter also require to get BIS license for products meant for exports?

Ans. No, the order is not applicable on the electric equipment meant for export, and conform to any specification required by the foreign buyer.

Q6. Our product confirms to requirement of Indian Standard mentioned in the Order, but it is certified against the International Standard. Will the same test certificate is applicable?

Ans. No, you will require to an obtain a BIS license under Scheme-X of Schedule-II to the BIS (Conformity Assessment) Regulations for product conforming to respective Indian Standard mentioned in column 3 of the table of the Order and subsequent amendments made from time to time.

Q7. Are Manufacturer(s) permitted to manufacture /produce Goods and articles covered under Electrical Equipment Quality Control Order and further amendments issued from time to time for export Business.

Ans. Products manufactured for exports are not covered under the Electrical Equipment Quality Control Order.

Q8. How to group the product sample for the purpose of testing and obtaining licence from BIS?

Ans. The product should be grouped according to the product grouping guidelines to obtain a license from BIS, except for products covered under standards IS/IEC 60947-4-2, IS/IEC 60947-4-3, and IS/IEC 60947-5-2. For products covered under IS/IEC 60947-4-2, IS/IEC 60947-4-3, and IS/IEC 60947-5-2, the license will be issued by BIS on a case-by-case basis.

Q9. Currently, our product (mention in the Order) comply to the Standard mentioned in the Order and we have also obtained the International Certification(s) such as: CE, CCC, etc. Do, our product also required license and a standard mark from BIS?

Ans. Yes, your product will require to stamped with the Standard Mark under a licence from the Bureau of Indian Standards as per Scheme-X of Schedule-II to the BIS (Conformity Assessment) Regulations.

Q10. Is it a possibility to use IECEE CB scheme to get a reduced test plan for QCO approval?

Ans. No, IECEE CB scheme is not applicable.

Q11. How to include an intermediate variant / rating of the Product in the existing License if there is no Construction Break.

Ans. Application to be made along with document and Technical File to BIS, as per the BIS Guidelines for Grant of Licence under Scheme-X.

Q12. How to include an intermediate variant/rating of the Product in the existing License if there is a Construction Break.

Ans. Application to be made along with document and Technical File to BIS, as per the BIS Guidelines for Grant of Licence under Scheme-X. In case of Construction brake (as per Product Specific Guidelines for Low Voltage Switchgear and Controlgear) additional test report is also required.

Q13. Whether Product testing is required to include all accessories.

Ans. Yes, all accessories need to be tested, as per Product Specific Guidelines for Low Voltage Switchgear and Controlgear.

Q14. Products manufactured in more than one plant across the globe and we are exporting / importing certain parts / assemblies from / to India from / to our plants outside India. Do these parts also need to qualify as per QCO? Products / Devices share same design and Components across different plants?

Ans. Products meant for exports are exempted. BIS Certification is mandatory for products meant or imported for domestic use. The Parts / Components / assemblies shall be tested as per Product Specific Guidelines for Low Voltage Switchgear and Controlgear and BIS Guidelines for Grant of Licence under Scheme-X.

Q15. Whether it is possible to get BIS license for different ratings Products in one application.

Ans. Yes, as per the BIS Guidelines for Grant of Licence under Scheme-X.

Q16. Are we permitted to export the Product made in India without compliance to the QCO, if the receiving country has no objection?

Ans. Products meant for exports are exempted from EEQCO.

Q17. What will be condition, where Product is imported. How will it be covered under QCO.

Ans. Each imported products must have a Standard Mark licence from the Bureau of Indian Standards as per Scheme-X of Schedule-II to the BIS (Conformity Assessment) Regulations. Each manufacturer need to apply to BIS for License as per Scheme-X and BIS Guidelines for Grant of Licence under Scheme-X.

Q18. How the products under EEQCO will be distinguished during import?

Ans. The classification will be done on the basis of ITC HSN (Indian Trade Classification based on Harmonised System Nomenclature) Code, which is meant for a group of commodities. When QCO is there with respect to some products under that HSN, Customs verifies the technical details, markings and labelling before giving out of charge clearance to products under that HSN. Thus, through technical specifications and labels made on the product, Customs distinguish between different products under the same HSN codes.

For classification Switchgears and Controlgears, and their parts etc., the Chapter 85 of ITC HSN from Tariff Head 8535 to 8538 may be referred.

Q19. Whether Annex testing is required to get BIS Certification?

Ans. Yes, All testing shall be done per IS/IE 60947-2:2016 in accordance with EEQCAO,2023 and Product Specific Grouping guidelines.

Q20. Manufacturer is using certain imported assemblies in their Products being assembled in India, the complete Product shall be tested to Comply with the QCO, hence the sub-assemblies that are imported are deemed to qualify as per the QCO?

Ans. Each imported products must have a Standard mark under a licence from the Bureau of Indian Standards as per Scheme-X of Schedule-II to the BIS (Conformity Assessment) Regulations. The Parts / Components / assemblies required to be tested as per relevant IS/IEC standard in accordance with the Product Specific

Guidelines for Low Voltage Switchgear and Controlgear and EEQCO and subsequent amendments made from time to time.

Q21. What will be condition for the export, QCO exemption, etc.?

Ans. The order is not applicable on the product meant for export, and conform to any specification required by the foreign buyer.

Q22. How to Include accessories in the scope of QCO e.g. Mechanical interlock kit, padlock, Rotary operating mechanism, Electrical motorized mechanism, spreader links, rear termination, box clamps, draw out mechanism, enclosures etc.?

Ans. The Parts / Components / assemblies required to be tested as per relevant IS/IEC standard in accordance with the Product Specific Guidelines for Low Voltage Switchgear and Controlgear and EEQCO and subsequent amendments made from time to time. Inclusion may be done as prescribed under BIS Guidelines for Grant of Licence under Scheme-X.

Q23. How's the coverage of Spare parts of the Products under EEQCO?

Ans. The Parts / Components / assemblies required to be tested as per relevant IS/IEC standard in accordance with the Product Specific Guidelines for Low Voltage Switchgear and Controlgear and EEQCO and subsequent amendments made from time to time.

Q 24. Products covered under EEQCO if used as parts, spares and accessories inside Machine or Machine Panel (Integrated Systems), are those covered under the scope of EEQCO?

Ans. Products covered under EEQCO used as parts, components, or assemblies are need to comply with the provisions of EEQCO and subsequent amendments.

Q25. Documents/reports/data required at the time of approval?

Ans. As per BIS Guidelines for Grant of Licence (GoL) as per the conformity assessment Scheme – X of Schedule – II of BIS (Conformity Assessment) Regulations.

Q26. Guideline on the communication of product changes (ratings, construction, raw material etc.) to certification body?

Ans. As prescribed under BIS Guidelines for Grant of Licence (GoL) as per the conformity assessment Scheme – X of Schedule – II of BIS (Conformity Assessment) Regulations.

Q27. Where to test Products manufactured outside India?

Ans. BIS approved Third Party Lab or in manufacturers' in-house laboratory as per BIS Guidelines for Grant of Licence under Scheme X.

Q28. For a given test sequence, if some tests are done in house and some in third party labs (CPRI, ERDA) then how the tests results be integrated into one single report since breaking of test sequence is not permitted by standard unless done by certification body under some rational.

Ans. Part testing for a sequence or breaking of test sequence is not permitted.

Q29. Cases, where some variants of product series having multiple/single features/combo for which testing not practically feasible in BIS approved test labs?

Ans. BIS will review the matter on case to case basis.

Q30. What is the procedure for White Labelled products to be covered under CRS?

Ans. No, White Labeling is not permitted under EEQCO. Every manufacturer or OEM must obtain a license from BIS as per Scheme-X and Guidelines for Grant of Licence under the Scheme.