

## Notifications Relating to Electrical and Electronics Products

1<sup>st</sup> – 30<sup>th</sup> April 2024

Under the WTO's Agreement on Technical Barriers to Trade, member states, for valid reasons, are allowed to regulate markets, protect their consumers, and preserve their natural resources, using tools such as rules for product weight, size, or packaging; ingredient or identity standards; shelf-life restrictions; and import testing and certification procedures.

However, these measures often result in perceived discrimination against imports to protect domestic industries.

The TBT Agreement seeks to ensure that standards, technical regulations, and conformity assessment procedures are non-discriminatory and are applied on a nondiscriminatory basis.

*This Newsletter captures NTBs notified by WTO members and their relevance to Electrical and Electronics products for April 2024. It also highlights the potential impact of these NTBs on India's exports.*

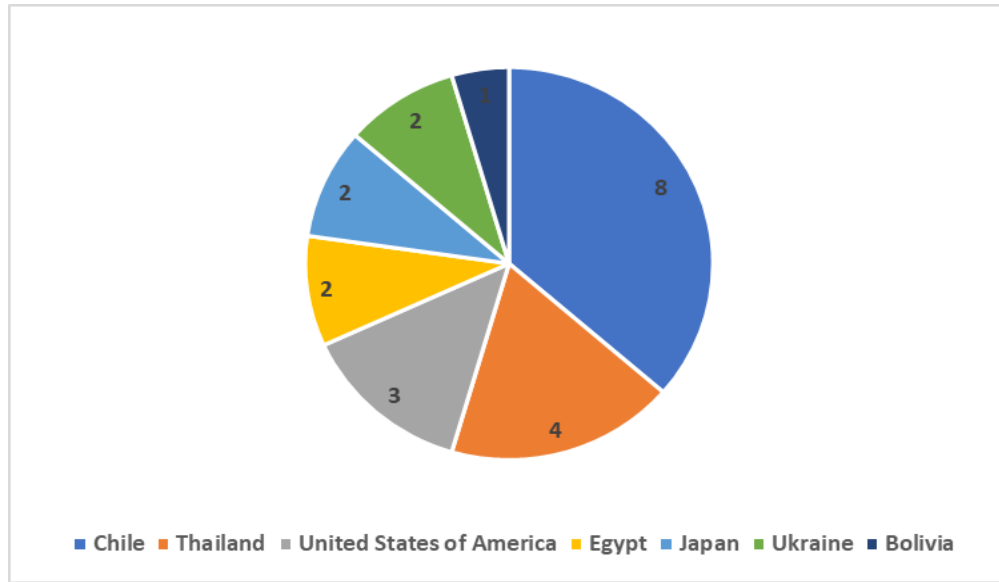
### **TBT Notifications Issued by WTO Member Countries**

The various WTO Member countries issued 268 TBT notifications during April 2024. Of these, 28 are relevant to electronic products.

### **Country-wise Break-up of NTB Notifications**

A review of TBT Notifications relating to electronic products for the month of April 2024 reveals that out of the total 28 notifications, Chile issued the relatively largest number of Notifications relating to electronic products, numbering 8, followed by Thailand (4), USA (3), Egypt (2), Japan (2), Ukraine (2), Bolivia (1) and 6 are other countries notifications, respectively. See Figure 1 for the distribution of TBTs Notifications against electrical and electronic products.

**Figure 1 Distribution of TBTs Notifications Against Electrical and Electronics Products**



**Potential Impact of TBTs Notifications on Electrical and Electronic Products**

Data analysis reveals that Notifications issued by the WTO Member countries in April 2024 could potentially affect India’s exports worth US\$1194.72 million if appropriate measures are not taken to resolve these issues in time.

At the country level, review of data reveals that out of the total potential decline in India’s exports, USA alone would account for a decline in India’s export of over US\$730.13 million, followed by Israel at over US\$347.94 million, Colombia at over US\$72.17 million, Japan at over US\$13.40 million, Chile at over US\$12.72 million, Thailand at over US\$11.98 million, Brazil at over US\$5.37 million, Korea at over US\$0.48 million, New Zealand at over US\$0.31 million, Ukraine at over US\$0.12 million, Egypt at over US\$0.11 million, China at over US\$0.01 million. India does not export any of its products to the markets of Bolivia.

Table 1 describes Notifications and product-wise exports from India to these countries in 2022.

**Table 1. Details of Notifications and Their Potential Impact on Exports from India**

Sl. No.	Notifying Member	Distribution date	Document symbol	Description	HS code(s)	India's Exports of the product to issuing country in 2022 (Value in US \$ Million)	Notifying Member country's World Import in 2022 (Value in US\$ Million)
1	Ukraine	02-04-2024	G/TBT/N/UKR/291	The draft Resolution provides for editorial amendments to the Technical Regulation of Low-Voltage Electrical Equipment, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 1067 of 16 December 2015; the Technical Regulation of Electromagnetic Compatibility of Equipment, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 1077 of 16 December 2015; and the Form, Description of the Mark of Conformity with Technical Regulations, Rules and Conditions for its Application, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 1184 of 30 December 2015 that are aimed at aligning specific provisions with EU legislation.	853620	0	27.51
2	Ukraine	03-04-2024	G/TBT/N/UKR/292	The Resolution provides for editorial amendments to paragraph 3 of the Technical Regulation on Legally Regulated Measuring Instruments, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 94 of 13 January 2016, and Annexes 3, 6 and 7 of	9031	0.12	36.44

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				the Technical Regulation on Measuring Instruments, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 163 of 24 February 2016. Thus paragraph 3 of the Technical Regulations on Legally Regulated Measuring Instruments, approved by the Resolution of the Cabinet of Ministers of Ukraine No. 94 of 13 January 2016, is set out in the following wording: "3.			
3	Japan	03-04-2024	G/TBT/N/JPN/776/Add.1	Act on Rationalizing Energy Use and Shifting to Non-fossil Energy The revision to the Notification of the Ministry of Economy, Trade and Industry (METI) regarding energy efficiency standards of transformers (For building and factory) was published on 27 October 2023. This revision entered into force on 31 October 2023. This regulation includes energy efficiency standards for targeted fiscal year (FY2026), measurement method, etc.	8504	13.36	4313.52
4	Egypt	04-04-2024	G/TBT/N/EGY/460	The Ministerial Decree No. 499 /2023 (4 pages, in Arabic) gives the producers and	850140	0.11	48.94

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				importers a six-month transitional period to abide by the Egyptian standard ES 7291 which deals with the safety of electric drives for shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives, including direct current (DC) supplied appliances and battery-operated appliances.			
5	Korea, Republic of	04-04-2024	G/TBT/N/KOR/1203	Technical Regulation for Electricity Meters Primary Content: (Clarification of terminology) enhancement of technical regulation clarity including reorganization of language. (Deregulation) aimed at alleviating the operational constraints on manufacturing enterprises.	90289010	0.48	39.5
6	Egypt	04-04-2024	G/TBT/N/EGY/156/A dd.5	This addendum concerns the notification of the Ministerial Decree No.499/2023 that gives the producers and importers twelve-month transitional period to abide by the Egyptian Standard ES 7993 for " energy efficiency label for television and displays".	852872	0	22.29

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				It should be noted that the Ministerial Decree No. 102/2019 (2 pages, in Arabic) which was formerly notified in G/TBT/N/EGY/156/Add.3 dated 15 May 2019 mandated among others the earlier version of this Egyptian Standard and the Draft of this standard was formerly notified in G/TBT/N/EGY/156/Add.4 dated 19 June 2023.			
7	Colombia	05-04-2024	G/TBT/N/COL/20/Add.14	The Republic of Colombia hereby notifies the issuance of Resolution No. 40117 of 2 April 2024 of the Ministry of Mining and Energy amending the Technical Regulation on Electrical Installations (RETIE), which will be applicable to electrical installations, the products used within these installations and the natural and/or legal persons that operate them.	73082011 , 8501, 8504, 8535, 8536, 8537,	72.17	968.46
8	Israel	08-04-2024	G/TBT/N/ISR/1331/Rev.1	The Israeli Parliament (The Knesset) approved the proposed fifth amendment to Israel's Energy Sources Law in the first reading. The proposed law amendment aims to reduce the cost of living by decreasing regulations on importing electrical products.	84 & 85	347.94	24001.55

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				It adds a parallel import approval route that allows manufacturers and importers to submit proof that the product is included in an official European register instead of DoC. If this device is not required to be listed in a registry, then a proof that it is marketed in Europe will be required.			
9	Chile	09-04-2024	G/TBT/N/CHL/603/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 01 July 2022 in document	853952	0.00	20.81
10	Chile	09-04-2024	G/TBT/N/CHL/651/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 5 July 2023 in document	854420, 854442, 854449, 854460	11.58	369.15
11	Chile	09-04-2024	G/TBT/N/CHL/257/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 7 February 2014 in document	852872	0.00	277.85

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12	Chile	09-04-2024	G/TBT/N/CHL/644/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 28 June 2023 in document	85176960	0.00	16.62
13	Chile	09-04-2024	G/TBT/N/CHL/640/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 15 June 2023 in document	85044030	0.48	213.23
14	Chile	09-04-2024	G/TBT/N/CHL/653/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 14 July 2023 in document	9405	0.29	205.53
15	Chile	09-04-2024	G/TBT/N/CHL/656/A dd.1	The Republic of Chile hereby advises that the Electricity and Fuel Board (SEC) safety analysis and/or test protocol for electrical products, notified on 21 July 2023 in document	853650	0.08	56.27
16	Thailand	11-04-2024	G/TBT/N/THA/731	The draft Ministerial Regulation mandates residual current operated circuit-breakers with integral overcurrent	853620	1.64	95.88



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				protection for household and similar uses to conform to the Thai Industrial Standard TIS 909–25XX (20XX) Residual Current Operated Circuit-breakers with Integral Overcurrent Protection for Household and Similar Uses (RCBOs).This standard applies to residual current operated circuit breakers with integral overcurrent protection functionally independent of, or functionally dependent on, line voltage for household and similar uses (hereafter referred to as RCBOs), for rated voltages not exceeding 440 V a.c. with rated frequencies of 50 Hz and rated currents not exceeding 125 A and rated short-circuit capacities not exceeding 25000 A for operation at 50 Hz.			
17	Bolivia, Plurinational State of	11-04-2024	G/TBT/N/BOL/23/Ad d.1	The Plurinational State of Bolivia reports that the Ministry of Productive Development and Plural Economy issued Ministerial Resolution MDPyEP/DESPACHO/N° 043.2024, which approves the Technical Regulation “MINIMUM ENERGY EFFICIENCY STANDARDS FOR LED LAMPS”, which establishes the technical requirements, regarding a	853952	0	9.63

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				Minimum Energy Efficiency Standards, which "LED Lamps" for interior lighting must meet, in order to protect the environment and prevent practices that may mislead the consumer. Likewise, the D.S. is published. No. 5121 of February 21, 2024, which complements the aforementioned Technical Regulations			
18	Japan	17-04-2024	G/TBT/N/JPN/807	The Policy Draft outlines the purpose and positioning of a voluntary IoT Product Security Conformity Assessment Scheme that Japan will establish, details of the Scheme, such as its operational structure and scope, as well as measures for Scheme growth.	85176960	0.04	188.05
19	Chile	18-04-2024	G/TBT/N/CHL/677	This protocol establishes the requirements of the verification procedure against light pollution of luminaires and projectors for use in the types of outdoor lighting defined in articles 5, 6, 7 and 8 of Supreme Decree No. 1/2022, of the Ministry of the Environment, which establishes the "Emission Standard for artificial luminosity generated by outdoor lighting, prepared	9405	0.29	205.53

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				from the review of Supreme Decree No. 43, of 2012, of the Ministry of the Environment" in a representative condition of new products, whose supply voltage does not exceed 1,000 V; according to the scope and field of application established in the guideline "IEC 62722 Ed.1.0 2014-09.			
20	United States of America	23-04-2024	G/TBT/N/USA/682/R ev.1/Add.2	The Energy Policy and Conservation Act, as amended (EPCA), prescribes energy conservation standards for various consumer products and certain commercial and industrial equipment, including distribution transformers. EPCA also requires the U.S. Department of Energy (DOE) to periodically review its existing standards to determine whether more stringent standards would be technologically feasible and economically justified, and would result in significant energy savings.	850421, 850434	3.48	779.48
21	United States of America	23-04-2024	G/TBT/N/USA/1959/ Add.1	The Energy Policy and Conservation Act, as amended ("EPCA"), prescribes energy conservation standards for various consumer products and certain commercial and industrial equipment, including general	853929	0.28	90.55

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				<p>service lamps ("GSLs"). EPCA also requires the U.S. Department of Energy ("DOE") to periodically determine whether more stringent standards would be technologically feasible and economically justified and would result in significant energy savings.</p> <p>In this final rule, DOE is adopting amended energy conservation standards for GSLs. DOE has determined that the amended energy conservation standards for these products would result in significant conservation of energy and are technologically feasible and economically justified.</p>			
22	United States of America	23-04-2024	G/TBT/N/USA/1131/Rev.1/Add.1	The U.S. Department of Energy ("DOE") is amending the test procedure for uninterruptable power supplies ("UPSs") to incorporate by reference relevant portions of the latest version of the industry testing standard, harmonize the current DOE definitions for UPS, total harmonic distortion, and certain types of UPSs with the definitions in the latest version of the industry standard, and add a no-load testing	85044090	726.37	16080.92

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				<p>condition, as an optional test. The effective date of this rule is 3 July 2024. The amendments will be mandatory for product testing starting 16 October 2024. The incorporation by reference of certain material listed in the rule is approved by the Director of the Federal Register on 3 July 2024. Title 10 Code of Federal Regulations (CFR) Part 430 This final rule and the notice of proposed rulemaking notified as G/TBT/N/USA/1131/Rev.1 are identified by Docket Number EERE-2022-BT-TP-0005. The Docket Folder is available on Regulations.gov at <a href="https://www.regulations.gov/docket/EER-E-2022-BT-TP-0005/document">https://www.regulations.gov/docket/EER-E-2022-BT-TP-0005/document</a> and provides access to primary and supporting documents as well as comments received. Documents are also accessible from Regulations.gov by searching the Docket Number.</p>			
23	Thailand	26-04-2024	G/TBT/N/THA/625/Rev.1	The draft Ministerial Regulation mandates electric irons to conform to the Thai Industrial Standard TIS 60335-2(3):2567(2024) Household and Similar	851640	0.00	28.33

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				Electrical Appliances - Safety - Part 2-3: Particular Requirements for Electric Irons. This standard covers electric dry irons, electric steam irons and those with a separate water reservoir or boiler having a capacity not exceeding 5 l, for household and similar purposes, with a rated voltage not exceeding 250 V, including those operating on direct current, or battery power. TIS 60335-2(3):2567(2024) is identical to IEC 60335-2-3 Edition 7.0 (2022-10) Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons.			
24	Thailand	26-04-2024	G/TBT/N/THA/734	The draft Ministerial Regulation mandates electronic control gear for LED modules to conform to the Thai Industrial Standard TIS 3002-2562 (2019) Lamp Control gear - Part 2-13: Particular Requirements for D.C. or A.C. Supplied Electronic Control gear for LED Modules. The draft Ministerial Regulation applies to electronic control gear for use on direct current (d.c.) or alternating current (a.c.) supplies with a rated voltage not	9405	0.53	418.66

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				<p>exceeding 1,000 V (a.c. with rated frequencies of 50 Hz or 60 Hz), associated with LED modules. This Regulation covers electronic control gear for LED Modules: independent type, built-in type, integral type. This Regulation does not cover electronic control gear incorporated with luminaire. TIS 3002-2562 (2019) is identical to IEC 61347-2-13 (2014-09) Lamp control gear - Part 2-13: Particular Requirements for D.C. or A.C. Supplied Electronic Control gear for LED Modules, and its amendment 1 (2016-07).</p>			
25	Thailand	26-04-2024	G/TBT/N/THA/735	<p>The draft Ministerial Regulation mandates switches for household and similar fixed electrical installations to conform to the Thai Industrial Standard TIS 824 Part 1-2562 (2019) Switches for Household and Similar Fixed Electrical Installations Part 1: General Requirements. This draft Ministerial Regulation applies to manually operated functional switches for general purposes, with alternating current having a rated voltage not exceeding 440 V and a rated</p>	8536	9.81	2564.61

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				<p>current not exceeding 63 A, intended for household and similar fixed electrical installations, either indoors or outdoors as follows:1) Switches for a circuit for a tungsten filament lamp load2) Switches for a circuit for an externally ballasted lamp load (for example LED, CFL, fluorescent lamp load)3) Switches for a circuit for a self-ballasted lamp load (for example LEDi or CFLi) 4) Switches for a circuit for motor load with a rated current not exceeding 3 A at 250 V and 4.5 A at 120 V5) Switches incorporating pilot light6) Electronic switches TIS 824 Part 1-2562 (2019) is identical to IEC 60669-1 Edition 4.0:2017 Switches for household and similar electrical installations - Part 1: General requirements.</p>			
26	China	29-04-2024	G/TBT/N/CHN/1847	This document specifies the optical radiation safety requirements for consumer laser pointer products, mainly including safety requirements, measurement and evaluation, marking and description.	851310	0.01	7.23



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				This document applies to the production, detection, sales and use of consumer laser pointer products with a nominal wavelength in the visible range of 400 nm ~ 700 nm (including but not limited to laser products with indication, entertainment, office and other functions such as laser whip, laser shooting simulator, laser sight, etc.).			
27	Brazil	29-04-2024	G/TBT/N/BRA/1247/Add.3	National Telecommunications Agency – ANATEL issued Act n°5155 on 17 April 2024 to approve the technical requirements and test procedures for conformity assessment of chargers used in Mobile Phones, in accordance with the annex to this act. Revoke the Acts: Act No. 5159, of April 8, 2022. Act No. 3481, 31 May 2019, on 14 October 2024. This Act comes into force on 17 April 2024, with the application of its annexe being mandatory from 14 October 2024.	85044030	5.37	1491.63
28	New Zealand	30-04-2024	G/TBT/N/NZL/119/Add.1	The Smoke-free Environments and Regulated Products Amendment Regulations 2023 amended the Smoke-free	8543	0.31	150.51

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				<p>Environments and Regulated Products Regulations 2021 (the principal regulations) to put new product safety requirements in place for vaping products. These included requirements that, from 21 March 2024, all reusable vaping products: have a child safety mechanism to prevent it from being activated or accidentally operated by a child; and have a removable battery.</p> <p>However, the above two requirements to have removable batteries and child safety mechanisms that was originally to apply to all reusable vaping devices from 21 March 2024, has been deferred. The deferral was given effect to through the Smoke free Environments and Regulated Products Amendment Regulations 2024, which came into force on 20 March 2024, and amended the principal regulations.</p>			