

Table of Contents

1. Market access	2
2. World Trade Organization (WTO)	2
2.1 TBT notifications issues by India	4
2.2 WTO-TBT Enquire point(s) in India	4
3. Product Certification Scheme of Bureau of Indian Standards (BIS)	5
3.1 List of Products under compulsory certification	5
I. Scheme - I (ISI Mark Scheme).....	5
II. Scheme – II (Registration Scheme)	7
4. Mandatory Testing and Certification of Telecom Equipment (MTCTE): TEC	13
5. Preferential Market Access (PMA) policy	15
6. Public procurement (Preference to Make in India) order 2017 of Government of India	17
5.1 Minimum Local Content/PMP Notice issued by Nodal Ministries/Departments under PPP-MII Order, 2017	18
I. Ministry of Electronics and Information Technology (MEITY)	18
II. Department of Telecommunications (DoT).....	19
III. Ministry of New & Renewable Energy (MNRE)	21
IV. Ministry of Power (MoP).....	23
7. Glossary	25
8. Sources.....	25
Annexure 1	26

1. Market access

Market access refers to the ability of a company or a country to sell their goods and services across borders and enter a foreign market. According to World Trade Organization (WTO), “market access for goods in the WTO means the conditions, tariff and non-tariff measures, agreed by members for the entry of specific goods into their markets. “

Market access is not the same as the free trade because the possibility to enter a foreign market is in most cases conditioned by certain requirements, whereas free trade implies a perfect state in which goods and services can circulate across borders without such barriers. Indeed, tackling market access restrictions proves to be a more achievable goal for trade negotiations as compared to free trade.

2. World Trade Organization (WTO)

The [World Trade Organization](#) (WTO), a 164-member international organization, oversees the trade rules among nations for the global good. The WTO affects market access by providing a platform on which member governments can negotiate and resolve trade issues with other members. For example, the WTO has lowered trade barriers to improve market access among member countries, and has also maintained trade barriers when it made sense to do so in the global context.

Market access for goods:

Market access for goods in the WTO means the conditions, tariff and non-tariff measures, agreed by members for the entry of specific goods into their markets. **Tariff commitments** for goods are set out in each member's [schedules of concessions](#) on goods. The schedules represent commitments not to apply tariffs above the listed rates — these rates are “bound”.

> [Current situation of Schedules of WTO Members](#)

Market access for services:

Market access for services is by nature more complicated than that for goods. In the realm of merchandise trade, market access basically concerns the reduction of border measures as goods enter a foreign market. Whereas in services trade, market access involves “reducing government policy interventions which are less visible and may be applied after a service supplier has entered the market. These measures often take the form of regulations directed at domestic policy objectives rather than external trade policy objectives. Governments usually have little consideration of the impacts of such interventions on market access for foreign services and service suppliers.

Integrated Trade Intelligence Portal (I-TIP) Improving the transparency of trade policy measures:

The Integrated Trade Intelligence Portal (I-TIP) provides a single entry point for information compiled by the WTO on trade policy measures. Containing information on over 25,000 measures, I-TIP covers both tariff and non-tariff measures affecting trade in goods as well as information on trade in services, trade in government procurement markets, regional trade

agreements and the accession commitments of WTO members. Its aim is to serve the needs of those seeking detailed information on trade policy measures as well as those looking for summary information. [Read more](#)

Trade in goods:

I-TIP Goods provides comprehensive information on non-tariff measures (NTMs) applied by WTO members in merchandise trade. It includes members' notifications of NTMs, such as technical barriers to trade, sanitary and phytosanitary measures, and anti-dumping and countervailing measures, as well as information on "specific trade concerns" raised at WTO committee meetings.

> [Go to I-TIP Goods](#)

Trade in services:

It consists of information on members' commitments under the WTO's General Agreement on trade in services (GATS), services commitments in regional trade agreements, applied measure and services statistics. It is a joint initiative of WHO and the World Bank.

> [Go to I-TIP Services](#)

Technical regulations and standards

Technical regulations and standards are important, but they vary from country to country. Having too many different standards makes life difficult for producers and exporters. If the standards are set arbitrarily, they can be used as an excuse for protectionism. Standards can become obstacles to trade. But they are also necessary for a range of reasons, from environmental protection, safety, national security to consumer information. And they can help.

The Technical Barriers to Trade Agreement ([TBT agreement](#)) tries to ensure that regulations, standards, testing and certification procedures don't create unnecessary obstacles to trade.

However, the agreement also recognizes countries' rights to adopt the standards they consider appropriate. For example- for human, animal or plant life or health, for the protection of the environment or to meet other consumer interests. Moreover, members are not prevented from taking measures necessary to ensure their standards are met. But that is counterbalanced with disciplines. A myriad of regulations can be a nightmare for manufactures and exporters. Life can be simpler if governments apply international standards and the agreements encourages them to do so in any case, whatever regulations they use should not discriminate.

The agreement also sets out a code of good practice for both the governments and non-governmental of industry bodies to prepare, adopt and apply voluntary standards. Over 200 standards-setting bodies apply the code.

The agreement says that the procedures used to decide whether a product conforms with relevant standards have to be fair and equitable. It discourages any methods that would give domestically produced goods an unfair advantage.

The agreement also encourages countries to recognize each other's procedures for assessing whether a product conforms. Without recognition, products might have to be tested twice, first by the exporting country and then by the importing country.

Manufactures and exporters need to know what the latest standards are in their prospective markets. To help ensure that this information is made available conveniently, all WTO member governments are required to establish national enquire points and to keep each other informed through the WTO-around 900 new or changed regulations are notified each year. The Technical Barriers to Trade Committee is the major clearing house for members to share the information and the major forum to discuss concerns about the regulations and their implementation.

"The TBT Committee has adopted [Guidelines for Notification Procedures for Draft Technical Regulations and Conformity Assessment Procedures](#) as well as a [recommendation](#) on when to use which notification format. Governments can submit notifications to the WTO Central Registry of Notifications through the online notification submission system or by email."

- ✓ The latest decisions and recommendations adopted by the Committee can be found [here](#).
- ✓ [WTO Agreement Series — Technical Barriers to Trade](#)
- ✓ [TBT Information Management System](#),

> [More on technical barriers to trade](#)

2.1 TBT notifications issues by India

Till date, India has issued more than 150 [TBT notifications](#) which are available as [annexure 1](#) at the end of the report.

2.2 WTO-TBT Enquire point(s) in India

All WTO member governments are required to establish national enquire points under TBT agreement of WTO to answer all reasonable inquiries from other members and interested parties concerning standards, technical regulations and conformity assessment procedures.

In India, Ministry of Commerce, the nodal ministry for WTO matters, has designated Bureau of Indian Standards (BIS) and Telecom Engineering Centre (TEC) as the WTO TBT Enquiry Point.

- i. BIS – For all queries except those related to the Telecom Sector, and
- ii. [TEC](#) – for all queries related to the Telecom Sector

The TBT Agreement of WTO mandates member countries of the WTO to notify other member countries through the WTO Secretariat, all proposed technical regulations that could affect trade. For India, Ministry of Commerce notifies the proposed technical regulations, Standards & Conformity Assessment Procedures to WTO, Geneva. Parties in other member countries that wish to make comments on such notifications can obtain copies of the text of the proposed technical regulations from the relevant notifying authorities or WTO-TBT Enquiry Point(s).

Other member countries and interested parties in these member countries can also seek response to all reasonable queries related to standards and conformity assessment procedures referred in the existing technical regulations from the WTO TBT Enquiry Point(s).

As an initiative to serve the national stakeholders, the WTO-TBT Enquiry point(s) also provides the interested organizations and individuals an opportunity to review and comment on notifications of other members which can affect their trade interests, by electronically disseminating the TBT Notifications to the national stakeholders.

The number of the concerned TBT Notification should be stated in the request. Comments on the documents should be sent to the Enquiry Point as soon as possible preferably a fortnight before the expiry of the period of comments. The comments would be communicated to the Ministry of Commerce for onward transmission to the concerned Government.

For more details about the WTO-TBT Enquiry Point and to see WTO-TBT Notifications please [click here](#)

3. Product Certification Scheme of Bureau of Indian Standards (BIS)

The Bureau of Indian Standards (BIS) through BIS Act, 2016 operates a product certification scheme for standardization of goods that enter the market for sale to consumers. The Product Certification Scheme aims at providing Third Party assurance of quality, safety and reliability of products to the customer. Presence of BIS certification mark, known as Standard Mark, on a product is an assurance of conformity to the specifications. The manufacturer is permitted to self certify the licenced products after ascertaining its conformity to the standard. Though its surveillance operations, the Bureau maintains a close vigil on the quality of certified goods. The conformity is ensured by regular surveillance of the licensee's performance by surprise inspections and testing of samples, drawn both from the market/factory.

Although, the scheme itself is voluntary in nature, the Government of India, on considerations of public health and safety, security, infrastructure requirements and mass consumption has enforced compulsory certification on various products through Orders issued from time to time under various Acts.

In order to ensure enhanced consumer safety & compliance to statutory provisions, some products like gas cylinders, regulators and valves, BIS certification scheme requires each lot or batch to be inspected by BIS certification officers before release of the product.

3.1 List of Products under compulsory certification

I. Scheme - I (ISI Mark Scheme)

So far, BIS has identified 211 products under ISI Mark Scheme which require mandatory certification.

Product category	Sub Category
Cement	Different kind of Portland cement, sulphated cement

Household Electrical goods	RCCBs, RCVOs, Lamps, Iron, Water heaters, Electric Stoves, Room Heaters, Switches, Cables, Batteries,
Food & Related Products	Baby formula, Processed cereal based foods, different kinds of milk powder, Various kinds of condensed milk, Packaged Natural Mineral Water, Infant milk substitutes, Milk-cereal based weaning foods, Hexane, Food grade, Plastic Feeding Bottles, Glass Feeding Bottles.
Oil Pressure Stoves	Oil pressure stove, offset burner type, Multi-burner oil pressure stoves
Automobile Accessories	Tubes for pneumatic tyres, Pneumatic tyres for 2W, 3W, passenger car vehicles, commercial vehicles
Cylinder, Valves and Regulation	LPG Cylinders, Valves, Regulators
Medical Equipment	Clinical thermometers , Diagnostic Medical X-Ray Equipment
Steel Products	Steel Wires, steel bars, Steel tubes, Steel Ply, Structural steel
Electrical Transformers	Out-door type Oil immersed Distribution Transformers upto and including 2500 kVA
Electrical Motors	Energy Efficient Induction Motors-Three Phase Squirrel Cage
Capacitors	A.C. motor capacitors, Power Capacitors of Self-healing Type, Shunt Power Capacitors of the Non-Self-Healing Type
Chemicals & Fertilizers	Caustic Soda, Boric Acid ,Poly Aluminium Chloride, Acetic Acid, Aniline, Methanol,
Kitchen Appliances	Hand-held Blender, Domestic Electric Food Mixer (Liquidizers and Grinders) and Centrifugal Juicer
Toys	Safety of Toys....

Complete list of products under ISI Mark Scheme is available [here](#)

- **Ministry of Chemicals and Fertilisers:** Ministry of Chemicals and Fertilisers has issued following list of 20 products on which mandatory certification is required.

S. No.	Goods or article	Indian Standard
1	Sod Tripolyphosphate	IS 6100: 1984 (reaffirmed 2015): Specification for sodium Tripolyphosphate, Anhydrous, Technical
2	Sod For Sulphoxylate	IS 4505:2015: Sodium Formaldehyde Sulphoxylate-Specification
3	Barrium Carbonate	IS 3205: 1984 (Reaffirmed 2015): Specification for Precipitated Carbonates, Technical IS 12928: 1990 (Reaffirmed 2017) Precipitated Barium Carbonate for Ceramic and glass industry-specification

4	Hydrogen Peroxide	IS 2080: 1980 (Reaffirmed 2016): Specification for Stabilized Hydrogen Peroxide
5	Phos Oxychloride	IS 11657: 1986 (Reaffirmed 2015): Specification for Phosphorous Oxychloride, Technical
6	Phos Pentachloride	IS 11744: 1986 (Reaffirmed 2015): Specification for Phosphorous Pentachloride, Technical
7	Phos Trichloride	IS 4581: 1978 (Reaffirmed 2015): Specification for Phosphorous Trichloride, Pure and Analytical Reagent
8	Acetone	IS 170: 2004 (Reaffirmed 2015) Acetone- Specification
9	Pot Carb Anhydrous	IS 7129: 1992 (Reaffirmed 2015) Potassium Carbonate, Anhydrous- Specification
10	Phenol	IS 538: 2000 (Reaffirmed 2015): Phenol (Carbolic Acid- Specification)
11	Sod Sulphide	IS 297: 2001 (Reaffirmed 2017): Sodium Sulphide, Technical – Specification
12	Morpholine	IS 12084: 2018: Morpholine – Specification
13	Beta Picoline	IS 16112: 2013: Beta Picoline- Specification
14	Gama Picoline	Gamma Picoline- Specification
15	Pyridine	IS 5058: 2018: Pyridine- Specification
16	Poly Aluminium Chloride	IS 15573: 2018: Specification for Poly Aluminium Chloride
17	Acetic Acid	IS 695: 1986: Specification for Acetic Acid
18	Methanol	IS 517: 1986 Specification for Methanol (Methyl Alcohol)
19	Caustic Soda	IS 252 : 2013: Caustic Soda - Specification
20	Aniline	IS 2833: 1973 Specification for Aniline Technical

Ministry of Chemicals and Fertilisers is also finalizing plans to increase the number of chemicals and petrochemicals to be covered by mandatory certification, as a means to reduce excessive dependence on imports. The move will also help boost domestic production of these chemicals, in line with the government's "Make in India" initiative.

The purpose is to "standardise the chemicals to conform with the harmonised system of coding, which is followed internationally and make it more transparent in order to reduce fake and substandard quality."

II. [Scheme – II \(Registration Scheme\)](#)

Ministry of Electronics and Information and Technology (MEITY) along with Bureau of Indian Standards (BIS) introduced Compulsory Registration Scheme (CRS) in 2012 with the objective to curb sale of spurious imported products in the country. Under this scheme it is mandatory for manufacturers to get their products registered before launching them in market. Since then, Government of India has notified over 60 electronic products (tabled below) that require mandatory registration under the Bureau of Indian Standards (BIS) before sale in the country.

List of Electronics and IT Goods under 'Compulsory Registration Scheme' notified by MEITY			
S. No.	IS No.	Title	Product Category
1	IS 616	Audio, Video and Similar Electronic Apparatus – Safety Requirements	Electronic Games (Video)
2	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Laptop/Notebook/Tables
3	IS 616	Audio, Video and Similar Electronic Apparatus – Safety Requirements	Plasma/ LCD/LED Televisions of screen size 32" & above
4	IS 616	Audio, Video and Similar Electronic Apparatus – Safety Requirements	Optical Disc Players with built in amplifiers of input power 200W and above
5	IS 302-2-25	Safety of household and similar electrical appliances: Part 2 Particular requirements: Section 25 Microwave ovens	Microwave Ovens
6	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Visual Display Units, Video Monitors of screen size 32" & above
7	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Printers, Plotters
8	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Scanners
9	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Wireless Keyboards
10	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Telephone Answering Machines
11	IS 616	Audio, Video and Similar Electronic Apparatus – Safety Requirements	Amplifiers with input power 2000W and above
12	IS 616	Audio, Video and Similar Electronic Apparatus – Safety Requirements	Electronic Musical Systems with input power 200W and above

13	IS 302-2:26	Safety of household and similar electrical appliances: Part 2 Particular requirements: Section 26 Clocks	Electronic Clocks with Mains Powers
14	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Set Top Box
15	IS 13252 (Part 1)	Information Technology Equipment – Safety – General Requirements	Automatic Data Processing Machine
16	IS 13252 (Part 1)	Information Technology Equipment- Safety General Requirements	Power Adaptors for IT Equipments
17	IS 616	Audio, Video and Similar Electronic Apparatus-Safety Requirements	Power Adaptors for Audio, Video & Similar Electronic Apparatus
18	IS 16242 (Part 1)	General and Safety Requirements for UPS	UPS/Invertors of ratings≤5kVA
19	IS 15885 (Part 2/Sec 13)	Safety of Lamp Control gear Part 2 Particular Requirements Section 13 d.c. or a.c. Supplied Electronic Control gear for LED Modules	DC or AC Supplied Electronic Control gear for LED Modules
20	IS 16046	Secondary Cells and Batteries containing Alkaline or other non-acid Electrolytes-Safety Requirements for Portable sealed secondary cells, and for Batteries made from them for use in portable applications	Sealed Secondary Cells/Batteries containing Alkaline or other non-acid Electrolytes for use in portable applications
21	IS 16102(Part 1)	Self-Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements	Self-Ballasted LED Lamps for General Lighting Services
22	10322 (Part 5/Sec 1)	Luminaries Part 5 Particular Requirements Sec 1 Fixed General purpose luminaries	Fixed General Purpose LED Luminaries
23	IS 13252 (Part 1)	Information Technology Equipment- Safety-General Requirements	Mobile Phones
24	IS 13252 (Part 1)	Information Technology Equipment- Safety-General Requirements	Cash Registers
25	IS 13252 (Part 1)	Information Technology Equipment- Safety-General Requirements	Point of Sale Terminals
26	IS 13252 (Part 1)	Information Technology Equipment- Safety-General Requirements	Copying Machines/Duplicators

27	IS 13252 (Part 1)	Information Technology Equipment-Safety-General Requirements	Smart Card Readers
28	IS 13252 (Part 1)	Information Technology Equipment-Safety-General Requirements	Mail Processing Machines/Postage Machines/Frinking Machines
29	IS 13252 (Part 1)	Information Technology Equipment-Safety-General Requirements	Passport Reader
30	IS 13252 (Part 1)	Information Technology Equipment-Safety-General Requirements	Power Banks for use in portable applications
31	IS 16333 (Part-3)	Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets – Specific Requirements	Mobile Phones
33	IS 10322 (Part 5/Section 3): 2012	Luminaires – Part 5: Particular Requirements Section 3 Luminaires for Road and Street Lighting	LED Luminaires for Road and Street lighting
34	IS 10322 (Part 5/Section 5): 2013	Luminaires – Part 5: Particular Requirements Section 5 Flood Lights	LED Flood Lights
35	IS 10322 (Part 5/Section 6): 2013	Luminaires – Part 5: Particular Requirements Section 6 Lamp Lamps	LED Hand lamps
36	IS 10322 (Part 5/Section 7): 2013	Luminaires – Part 5: Particular Requirements Section 7 Lighting Chains	LED Lighting Chains
37	IS 10322 (Part 5/Section 8): 2013	Luminaires – Part 5: Particular Requirements Section 8 Luminaires for Emergency Lighting	LED Luminaires for Emergency Lighting
38	IS 16242 (Part 1):2014	General and Safety Requirements for UPS	UPS/Inverters of rating $\leq 10\text{kVA}$
39	IS 616:2010	Audio, Video and Similar Electronic Apparatus – Safety Requirements	Plasma/ LCD/LED Television of screen size up-to 32"
40	IS 13252 (Part 1):2010	Information Technology Equipment –Safety General Requirements	Visual Display Units, Video Monitors of screen size up-to 32"
41	IS 13252 (Part 1):2010	Information Technology Equipment –Safety General Requirements	CCTV Cameras/CCTV Recorders

42	IS 302 (Part 1): 2008	Safety of Household and similar electrical appliances Part 1 General requirements	Adapters for household and similar electrical appliances
43	IS 13252 (Part 1):2010	Information Technology Equipment –Safety General Requirements	USB driven Barcode readers, barcode scanners, Iris scanners, Optical fingerprint scanners
44	IS 13252 (Part 1):2010	Information Technology Equipment –Safety General Requirements	Smart watches
45	IS 16103: Part 1: 2012	LED modules for general lighting: Part 1 safety requirements	Standalone LED Modules for General Lighting
46	IS 10322: Part 5 Section 9: 2017	Luminaries: Part 5 Particular Requirements Section 9 Rope Lights	Lighting Chain (Rope Lights)
47	IS 13252: Part 1 :2010	Information technology equipment - safety part 1 general requirements	Keyboard
48	IS 302: Part 2: Section 6: 2009	Safety of household and similar electrical appliances: part 2 particular requirements, section 6 cooking ranges, hobs, ovens and similar appliances	Induction Stove
49	IS 13252 Part 1 :2010	Information technology equipment - safety part 1 general requirements	Automatic Teller Cash dispensing machines
50	IS 13252 Part 1 :2010 I	Information technology equipment - safety part 1 general requirements	USB Type External Hard Disk Drive
51	IS 616: 2017	Audio, video and similar electronic apparatus-safety requirements	Wireless Headphone and Earphone
52	IS 13252 Part 1 :2010	Information technology equipment - safety part 1 general requirements	USB Type External SolidState Storage Devices (above 256 GB capacity)

53	IS 616: 2017	Audio, video and similar electronic apparatus-safety requirements	Electronic Musical System with input power below 200 Watts
54	IS 13252 Part 1 :2010	Information technology equipment - safety part 1 general requirements	Standalone Switch Mode Power Supplies (SMPS) with output voltage 48 V (max)
55	IS 616: 2017	Audio, video and similar electronic apparatus-safety requirements	Television other than Plasma/ LCD/LED TVs
56	IS 302: Part 2: Section 15: 2009	safety of household and similar electrical appliances: part 2 particular requirements: section 15 appliances for heating liquids	Rice Cooker

List of Solar Photovoltaics, Systems, Devices and Components notified by Ministry of New and Renewable Energy (MNRE)

Sl. No.	IS No.	Title	Product Category
1	IS 14286 IS/IEC 61730 -1 IS/IEC 61730 -2	Crystalline Silicon Terrestrial Photovoltaic (PV) modules – Design Qualification And Type Approval	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)
2	IS 16077 IS/IEC 61730 -1 IS/IEC 61730 -2	Thin-Film Terrestrial Photovoltaic (PV) Modules – Design Qualification and Type Approval	Thin-Film Terrestrial Photovoltaic (PV) Modules (a-Si, CiGs and CdTe)
3	IS 16221 (Part 2)	Safety of Power Converters for Use in Photovoltaic Power Systems Part 2-Particular Requirements for Inverters	Power converters for use in photovoltaic power system
4	IS 16169	Test Procedure of Islanding Prevention Measures for Utility-Interconnected Photovoltaic Inverters	Utility – Interconnected Photovoltaic inverters
5	IS 16270	Secondary Cells and Batteries for Solar Photovoltaic Application General-Requirements and Methods of Test	Storage battery

Compulsory Registration Scheme (CRS) is being operated by BIS as per the provision of Scheme - II of the [BIS \(Conformity Assessment\) Regulations, 2018](#) for the product categories notified by MEITY and MNRE (listed above).

Overseas Manufacturers are required to have a local representative in India who will represent the manufacturer locally and will be responsible for placing the product in the market. To make this program robust, [Market Surveillance](#) has been designed to ensure compliance.

[Click here](#) to read more about CRS

For list of product categories, please [click here](#)

4. Mandatory Testing and Certification of Telecom Equipment (MTCTE): TEC

The Department of Telecommunications, Ministry of Communications, Government of India vide [Gazette Notification No. G.S.R. 1131\(E\) dated 5th September, 2017](#) has amended the Indian Telegraph Rules, 1951 ([Amendment 2017](#)) to introduce Mandatory Testing & Certification of Telecom Equipment (MTCTE). Telecom Engineering Center (TEC) is implementing MTCTE in India and has framed a detailed procedure for **MTCTE**. A brief analysis of the Rules and MTCTE are as follows:

- Any Original Equipment Manufacturer (OEM)/importer/dealer who wishes to sell or import any telecom equipment in India, shall have to obtain Certificate from TEC and mark or affix the equipment with appropriate Certification label.
- TEC has specified [Essential Requirements \(ERs\)](#) for various telecom equipment, which would need to be met before TEC grants the certification.
- The equipment needs to be tested only in [TEC designated CAB](#), or recognized CAB of MRA partner country. The test results/ test reports shall not be older than one year on the date of submission.
- The issued certificate shall be valid for five years from the date of issue.
- TEC may issue such directions to OEMs/ importers/ dealers/ users, consistent with the Act, Rule or this procedure, as may be necessary, for carrying out purpose of this Procedure.

List of Products under MTCTE scheme:

S. No.	Product Name	Essential requirement (ER)
1	2- Wire Telephone Equipments	Download ER
2	G3 Fax Machine	Download ER
3	Modem	Download ER
4	Cordless Telephone	Download ER
5	ISDN Customer Premises Equipment (ISDN CPE)	Download ER
6	Private Automatic Branch Exchange (PABX)	Download ER
7	PON Family of Broadband Equipment	Download ER

8	Transmission Terminal Equipment	Download ER
9	Feedback Device	Download ER
10	Router	Download ER
11	Precision Timing Protocol Grand Master Equipment	Download ER
12	IP Security Equipment	Download ER
13	Conferencing Equipment	Download ER
14	Point of Sale Devices	Download ER
15	HF Radio	Under Finalization
16	Conferencing and Presentation Equipment	Under Finalization
17	VHF UHF Radio System Equipments	Under Finalization
18	Equipments Operating in 2.4 GHz and 5 GHz Band	Under Finalization
19	IP Terminal	Under Finalization
20	Media Gateway	Under Finalization
21	DSL Equipments	Under Finalization
22	Signalling Gateway	Under Finalization
23	Session Border Controller	Under Finalization
24	Soft Switch	Under Finalization
25	Repeater for Cellular Network	Under Finalization
26	Base Station for Cellular Network	Under Finalization
27	Compact Cellular Network	Under Finalization
28	Mobile Handset	Under Finalization
29	Mobile Radio Trunking System	Under Finalization
30	IoT Gateway	Under Finalization
31	Tracking Device	Under Finalization
32	Smart Electricity Meter	Under Finalization
33	Smart Watch	Under Finalization
34	Smart Camera	Under Finalization
35	Satellite Communication Equipments	Under Finalization
36	LAN Switch	Under Finalization
37	End Point Device for Environmental Monitoring	Under Finalization
38	Media Converter	Under Finalization

>>Annexures to ERs are available [here](#)

Government of India had postponed the deadline for Mandatory Testing and Certification of Telecom Equipments (MTCTE) several times due to non-readiness and shortage of labs in the country.

Finally, Government has begun mandatory testing and certification of 13 simple telecom products like landline phones, cordless phones, modem, fax machines etc. from October 1, 2019.

TEC has also begun issuing certificates to telecom equipment manufacturers after testing the equipment in government-certified laboratories. Currently, there are over 50 domestic designated CABs available in India.

>>**List of the Domestic Designated CABs is available [here](#)**

In 2013, TEC had set up an **Internet Protocol Version 6 (IPv6) Lab** which had been approved by the IPv6 Ready Logo Committee under IPv6 Forum, an International body. This test lab caters to Conformance as well as Interoperability testing of various software / equipment which have implemented IPv6. It has also the capability of examination of test results sent by other IPv6 Ready Logo approved labs. Establishment and designation of TEC lab as IPv6 Ready Logo lab shall enable vendors/developers to avail the facility of internationally recognized test lab in India. Availability of approved lab shall promote end-user confidence in using IPv6 Ready Logo approved products. [Read more](#)

For more information please click [here](#)

5. **Preferential Market Access (PMA) policy**

The Ministry of Electronics and Information Technology (MeitY) has [notified the Policy](#) for providing preference to domestically manufactured electronic products in Government procurement for its own use and not with a view to commercial resale or with a view to use in the production of goods for commercial sale on 23.12.2013.

The salient features of the Policy are as under:

- The Policy is applicable to all Ministries/Departments (except Ministry of Defence) and their agencies for electronics product purchased for Government purposes and not with a view to commercial resale or with a view to use in goods for commercial sale.
- This Policy would also be applicable for procurement of electronics products made under Centrally Sponsored Schemes and grants made by Central Government.
- The Domestically Manufactured Electronic Products (DMEPs) are products manufactured by companies registered in India and engaged in Manufacture in India and including Contract Manufacturers, but excluding traders.
- All companies registered in India engaged in manufacturing of electronic products in India and the sole selling agents/ authorised distributors/ authorised dealers/ authorised supply houses of the domestic manufacturers of electronic products are eligible for consideration under the Policy.
- The electronic products to be notified under this Policy shall meet the graded domestic value-addition (25% in year 1 going upto 45% in year 5) in terms of Bill of Material (BOM) from domestic manufacturers. The domestic value addition by the domestic manufacturer shall be based on self-certification. The tender conditions need to ensure that domestically manufactured electronic products are encouraged and are not subject to restrictive mandatory requirement of prior experience. However, procuring Ministry/ Department/ Agency may incorporate such stipulations as may be considered necessary to satisfy themselves of the production capability and product quality of the domestic manufacturer.

- The Policy is valid for 10 years from the date of notification i.e. 23.12.2013 and will be reviewed at regular intervals from time to time.

Procedure for calculating local content/domestic value addition:

- I. Bill of Material sourced from domestic manufacturers (Dom-BOM) may be calculated based on one of the followings depending on data available. Each of these calculations should provide consistent result.
 - a. Sum of the costs of all inputs which go into the products (including duties and taxes levied on procurement of inputs except those for which credit/set-off can be taken) and which have not been imported directly or through a domestic trader or an intermediary.
 - b. Ex-Factory price of products minus profit after tax minus sum of imported Bill of Material used (directly or indirectly) as inputs in producing the product (including duties and taxes levied on procurements of inputs except those for which credit / set-off can be taken) minus warranty costs.
 - c. Market price minus post-production freight, insurance and other handling costs minus profit after tax minus warranty costs minus sum of imported Bill of Material used as inputs in producing the product (including duties and taxes levied on procurements of inputs except those for which credit / set-off can be taken) minus sales and marketing expenses.
- II. Total Bill of Material (Total-BOM) may be calculated based on one of the following depending on data available. Each of these calculations should provide consistent result.
 - a. Sum of the costs of all inputs which go into product (including duties and taxes levied on procurement of inputs except those for which credit/set-off can be taken)
 - b. Ex- Factory price of product minus profit after tax, minus warranty costs.
 - c. Market price minus post-production freight, insurance and other handling costs minus profit after tax, minus warranty costs minus sales and marketing expenses.
- III. The percentage (%) of domestic value-addition may be calculated based on information furnished as per the following formula:

$$\% \text{ of domestic value-addition} = \frac{\text{Dom-BOM}}{\text{Total-BOM}} \times 100$$

It is recommended that each agency assessing should calculate the domestic local content/value addition using at least two of the above formulae so as to validate the assessments in this regard and ensure that the domestic value addition that is claimed is consistent.

- DoT [notification dated 12.01.2017](#) provides Value addition criterion for Preference to domestically manufactured telecom products in Government procurement with respect to Telecom Products notified under the Preferential Market Access (PMA) policy dated 5th October 2012. [Download notification>>](#)
- Deity/Meity, vide [Notification No. 33\(7\)/2015-IPHW dated 16th November 2015](#) has issued the guidelines for the operationalization/implementation of PMA policy.

For more information please [click here](#)

6. Public procurement (Preference to Make in India) order 2017 of Government of India

The Government of India has issued Public Procurement (Preference to Make in India) Order 2017 vide the Department of Industrial Policy and Promotion (DIPP) Order [No.P-45021/2/2017-B.E.-II](#) dated 15.06.2017 and subsequent revision vide Order [No. 45021/2/2017-PP\(BE-II\)](#) dated 28.05.2018 and order [No. 45021/2/2017-PP\(BE-II\)](#) dated 29.05.2019 respectively to encourage 'Make in India' and to promote manufacturing and production of goods, services and works in India with a view to enhancing income and employment. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.

The salient features of the aforesaid Order are as under:

- The Order is applicable for procurement by Ministry/ Department/ attached/ subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.
- In procurement of goods, services or works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible.
- If the estimated value of procurement of such goods, services or works is more than Rs. 50 lakhs, the provisions of sub-paragraph 3(b) or (c), of the PPO 2017 as the case may be, shall apply.
- The margin of purchase preference shall be 20%. 'Margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.
- Ministries/Departments having its own policy for preference to local content approved by the cabinet after 1st January 2015, such policies will prevail over the provisions of this order.

APPROVED PRODUCT CATEGORIES AND ASSOCIATED MINISTRY/DEPARTMENT:

S. No.	Product categories	Associated Ministries/Department
1	IT and Electronics (including softwares)	Ministry of Electronics & IT
2	Telecommunications	Department of Telecommunications
3	Power (generation, transmission and distribution)	Ministry of Power
4	Non-conventional energy	Ministry of New and Renewable Energy
5	Automobile and Automotive Components, Capital Goods (Heavy Machinery, Machine Tools etc.)	Department of Heavy Industries
6	Aviation	Ministry of Civil Aviation
7	Iron and Steel	Ministry of Steel

8	Paper Products, Cement, Leather Products	Deptt. of Industrial Policy & Promotion
9	Construction, Metro Rail Systems, All other works	Ministry of Housing & Urban Affairs
10	Pharmaceuticals, Medical Devices	Department of Pharmaceuticals
11	Petroleum and Natural Gas	Ministry of Petroleum and Natural Gas
12	Chemicals	Department of Chemicals & Petrochemicals
13	Textiles & Apparel	Ministry of Textiles
14	Shipping	Ministry of Shipping
15	Railways, All Railway Works	Ministry of Railways
16	All Defence Works	Department of Defence, Ministry of Defence
17	Defence	Department of Defence Production
18	Mining	Ministry of Mines
19	Fertilizers	Department of Fertilizers

5.1 Minimum Local Content/PMP Notice issued by Nodal Ministries/Departments under PPP-MII Order, 2017

I. Ministry of Electronics and Information Technology (MEITY)

Ministry of Electronics and Information Technology (MEITY) is the Nodal Ministry for implementation of the Electronic Products Notifications issued in furtherance of PPO 2017. MEITY has notified following products for providing preference under the PPO 2017 (vide Notification [No. 33\(1\)/2017-IPHW](#) dated 14.09.2017 and [Notification No. 33\(5\)/2017-IPHW](#) dated 01.08.2018):

- Desktop PCs
 - Laptop PCs
 - Tablet PCs
 - Dot Matrix Printers
 - Contact Smart Cards and Contactless Smart Cards
 - LED Products
 - Biometric Access Control/Authentication Devices
 - Biometric Finger Print Sensors
 - Biometric Iris Sensors and
 - Servers
 - Cellular Mobile Phones
- The percentage (%) of domestic value-addition may be calculated based on information furnished as per the following formula:
- $$\text{\% of domestic value-addition} = \frac{\text{Dom-BOM}}{\text{Total-BOM}} \times 100$$
- Detailed procedure for calculating local content/domestic value addition is available above in chapter 5 on Preferential Market Access (PMA) policy.

For detailed info please [click here](#)

II. Department of Telecommunications (DoT)

Department of Telecommunications (DoT) is the nodal department for implementing the provisions related to procurement of goods, services or works related to the telecommunication sector. DoT has prepared a list of 36 telecom products, services and works (given below) for their purchase preference from local suppliers for public procurement:

S. No.	Telecom Products, Services and Works	Local Content (LC)	
		2018-19	2019-20 onwards
1	Encryption/UTM platforms(TDM and IP)	65	65
2	IP/MPLS Core Routers/ Edge/ Enterprise Router	55	60
3	Managed Leased line Network Equipment	55	60
4	Ethernet Switches(L2 and L3), Hubs	55	60
5	IP based Soft Switches, IMS, Unified Communication Systems	55	60
6	Wireless/Wireline PABXs/ IP PBX & /Media Gateways	65	65
7	CPE (including Wi-Fi Access Points and Routers, Media Converters), 2G/3G/4G/LTE Modems. Leased-line Modems, NFV/SDN CPE	45	50
8	Set-Top Boxes	50	55
9	SDH/Carrier-Ethernet/MPLS- TP/ Packet Optical Transport equipment/PTN/OTN systems	65	65
10	DWDM/CWDM systems	55	60
11	GPON / XGS-PON, NG-PON2 equipment (including ONT and OLT)	55	60
12	Optical/SDH/PDH Cross Connects/ OTN Cross-connects and optical MUX,OADM	55	60
13	Small size 2 G/3 G GSM based Base Station Systems, with its various derivatives including rural & disaster response, Macro & Micro BTS, Small Cells, NIB, C-RAN BBU and RRH	55	60
14	2 G/3 G GSM based Base Station Systems, with its various derivatives including rural & disaster response, Macro & Micro BTS, Small Cells, NIB, CRAN BBU and RRH	55	60
15	Small Size LTE/LTE-R Based Mobile Systems, with its various derivatives including rural & disaster communications, Macro & Micro eNodeB, Small Cells, EPC, NIB C-RAN BBU and RRH ,LTE/LTE-R/4.5 G/ 5 G based broadband wireless access systems (eNodeB, gNB, EPC, etc.)	55	60
16	LTE/LTE-R Based Mobile Systems, with its various derivatives including rural & disaster communications, Macro & Micro eNode B, Small Cells, EPC, NIB C-RAN BBU and RRH ,LTE/LTE-R/4.5 G/ 5 G based broadband wireless access systems (eNodeB, gNB, EPC, etc.)	45	50

17	Wi-Fi based broadband wireless access systems (Including Access Point, Aggregation Block, Core Block), Integrated Broadband system	50	55
18	Microwave Radio systems (IP/Hybrid), Mobile Front haul BBU and RRH (CPRI, eCPRI, FlexE, RoE, NGFI)	50	55
19	Software Defined Radio, Cognitive Radio systems	50	55
20	Repeaters (RF/RF-over-Optical), IBS, and Distributed Antenna system	55	60
21	Satellite based systems –Hubs, VSAT Disaster Communication Systems etc	35	40
22	Copper access systems (DSL/DSLAM), high-speed xDSL (G.fast)	50	55
23	Network Management systems (NMS) with its various derivatives	65	65
24	Security and Surveillance Communication Systems (video and sensors based) including Perimeter Security Systems	35	40
25	Optical Fiber	50	50
26	Optical Fiber Cable	50	55
27	Telecom Power System (Including Solar Power)	50	55
28	Telecom Batteries (Lead Acid & Li-ion)	50	55
29	IP audio phones / IP video Phones / Analog adaptor	35	40
30	SDN Software Controllers, NVF and CNF software	50	55
31	Telecom Cloud infrastructure, Telecom Data centers	35	40
32	2 way Analog/Digital radio including Walkie-Talkie & Mobile Radio	50	55
33	Batteries of 2 way Analog/Digital radio including Walkie-Talkie	40	45
34	Fiber Monitoring System	50	55
35	M2M/IOT Subsystems	50	55
36	Telecom Services/Works	70	70

* List of telecom products, services and works along with their PMI and LC is available [here](#)

- Products, services or work given in above table should comply with latest TEC GR/IR, if such GR/IR are issued. For compliance of GR/IR or national standards, certification from Indian bodies TEC/TSEC, STQC, BIS or any accredited lab by them is a mandatory requirement for bidders. The list of GRs/IRs of telecom products, services, works identified under PPP-MII order 2017 is available [here](#).
- The Department has identified conditions for the inputs to be qualified as Local Content which are available [here](#) and maximum ceiling for design as LC out of total LC which are available [here](#).
 - The percentage (%) of domestic value-addition may be calculated based on information furnished as per the following formula:
$$\text{\% of domestic value-addition} = \frac{\text{Dom-BOM}}{\text{Total-BOM}} \times 100$$
 - Detailed procedure for calculating local content/domestic value addition is available above in chapter 5 on Preferential Market Access (PMA) policy.

- DoT issued an [Office Memorandum \(OM\) dated 19-02-2020](#) in which following telecom items have been identified for action under clause 10 (d) of PPP MII order 2017:
 - SDH/Carrier-Ethernet/MPLS-TP/Packet Optical Transport equipment/PTN/OTN systems.
 - Wireless/Wireline PABXs & IP PBX
 - GPON/XGS-PON, NG-PON2 equipment (including ONT and OLT)
 - CPE (including Wi-Fi access points and routers, media converters), 2G/3G/4G/LTE Modems
 - Optical Fibre Cable
 - DWDM/CWDM systems
 - IP/MPLS Core routers/Edge/Enterprise Router
 - Wi-Fi based broadband wireless access systems (including access point, aggregation block, core block), integrated broadband system

Download notification from [here](#) and for more information please click [here](#)

III. Ministry of New & Renewable Energy (MNRE)

Ministry of New and Renewable Energy (MNRE) has issued a [memorandum](#) for the implementation of public procurement in renewable energy sector giving preference to 'Make in India' products. List of products to be covered under the Public Procurement (Preference to Make in India) Order is given below:

RE Technology	List of Products	Min. % of LC required for RE products
Small Hydro Power	Apart from civil construction, preference shall be provided in Central Ministries/ Department and Central PSUs to Domestically manufactured/ produced products such as turbine, generator, penstock pipelines, control panel, governors, cables, valves, transformers, switch gears, etc. for small hydro power projects.	80
Wind Power	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/ produced products such as gear box, blades, rotor, generator, tower, hub, parts of controller, bearings, yaw mechanism components, nacelle, hub, etc. for wind power projects.	80 (Besides hub and nacelle assembly/manufacturing facility should be in India)

Off Grid/Decentralized Solar Power	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/produced products such as solar street lights, solar home lighting systems, solar power packs/micro grid, solar water pumps, inverters, batteries and any other solar PV balance of system components for Off Grid/Decentralized solar power projects	70
Grid Connected Solar Power Projects	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/produced products such as solar PV modules and other components such as inverters, etc. for Grid connected solar power projects.	Solar modules: 100 Other components such as inverter, etc.: 40
Biomass gasifier	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/produced products such as biomass gasifier reactor, Feed hopper, ash removal system, ash pump, cyclone, hot gas filter, gas blower, gas piping, control panel, platforms and ladders, water seals, gas burner for start-up, automatic gas burner, etc. for biomass gasifier projects.	80
Biomass Cogeneration	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/produced products such as boiler and its auxiliaries including ESP, turbines/ generator & its auxiliaries, electrical evacuation and distribution system, bagasse/biomass fuel storage and handling equipment, ash handling systems, cooling tower or air cooled condensers and its auxiliaries, water treatment plant, control system, interface piping, EOT crane, ETP, etc. for biomass cogeneration projects.	80
Municipal Solid Waste Management Projects	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/produced products such as boiler, flue gas cleaning system, grab crane system, waste processing system, leachate treatment plant, chimney, water/air condenser, turbine-generator, water treatment plant, ash treatment plant, control and instrumentation system, etc. for MSW based projects.	60

Waste to Energy (biogas/bio-CNG)	Apart from civil construction, preference shall be provided in Central Ministries/Department and Central PSUs to domestically manufactured/produced products such as feed mixer tank, mixing agitator, feeding pump, digester tank, stirring agitator, double membrane balloon, liquid & gas piping systems, biogas purification system, B-CNG booster compressor, B-CNG filling header, cylinder casket, CNG dispenser, power generator, etc. for Waste to Energy (biogas/bio-CNG) projects.	80
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----

Download notification from [here](#)

IV. Ministry of Power (MoP)

Ministry of Power (MoP) is the Nodal Ministry for implementation of the Power (Generation, Transmission & Distribution) Products notifications issued in furtherance of PPO 2017.

In March 2020, MoP has issued a public procurement order with revised requirements for locally made components in electrical equipment used in power distribution centre. It stated that all procuring entities are to abide by the guidelines issued in the order and adhere to the minimum local content requirement parameters prescribed below:

Ministry of Power: Revised Minimum Local Content Requirement for Electrical Equipment Used in Distribution Sector					
Items		Minimum Local Content (%)			
		2020	2021	2022	2023
Transformers					
33/11 Kv Power Transformers		50%	55%	80-90% (In case CRGO/Amorphous core is available)	
Distribution Transformers					
Oil Filled Distribution Transformers (CRGO/Amorphous core)		Oil filled Distribution Transformers	50%	55%	80-90% (In case CRGO/Amorphous core is available)
		Dry Transformer - Aluminium Type	40%	45%	
Dry type distribution transformer		Dry Transformer - Copper Type	40%	45%	
Insulators					
Polymer Insulators			52%	52%	52%
Porcelain Insulators			85%	85%	85%
Instrument Transformers					
Low Voltage	L.V. (1.1 KV & below)		40-50%	40-50%	90% (In case CRGO/Amorphous core is available)
Medium Voltage	M.V. (Upto 33 KV)		40-50%	40-50%	
Conductors					
Conventional Conductors			80%	80%	80%
Electrical Motors					
0.37 Kw to 1 MW			80%	80%	85%
Medium & High Voltage Switchgear					
MV AIS Panels (incl. Circuit Breakers) up to 36 KV, indoor			70%	70%	70%
MV Breakers up to 40.5 KV, Outdoor			70%	70%	70%
MV GIS Panels (up to 33 Kv)			25%	30%	35%
Isolators			100%	100%	100%
Packaged Substation (6.6 kV to 33 kV)			90%	90%	90%
RMUs (11kV)			70%	70%	70%
RMUs (33kV)			50%	55%	55%
Cables					
XLPE Cables			80%	80%	80%
Cable Accessories			30%	30%	30%
Energy Meters			30%	30%	30%

Source: Ministry of Power

Mercom India Research

The Ministry added that for sub-stations 33/11 kV and lower, constructed on a turnkey or an Engineering Procurement and Construction (EPC) contract basis, the local content percentage must be 80% of the total cost of civil supply and labor for civil and supply labor. For electricity supply, the requirement will be based on individual components instead of one fixed percentage for the entire electrical supply package.

[Download notification from here>>](#)

In December 2018, MoP has also notified following products associated with the Transmission sector under the Public Procurement (Preference to Make in India) Order 2017 for procuring locally:

S. No.	Items	Min. LC (%)	
		2018-19	over next five years in phased manner
1	400 KV and above Transformers and reactors	60%	70%
2	220 KV and below Transformers and reactors	75%	85%
3	Instrument Transformers	60%	85%
4	HTLS conductors & hardware	60%	75%
5	Conventional Conductors & hardware	80%	100%
6	Porcelain Insulators	85%	100%
7	Composite Insulators	50%	70%
8	Air Insulated Switchgear, LA, Wave Trap (72.5 KV to 800 KV)	60%	80%
9	HV Gas Insulated Switchgear (72.5 KV to 420 KV)	60%	80%
10	800 KV UHV Gas Insulated Switchgear	40%	60%
11	Control & Power Cables	80%	95%
12	EHV Cables (up to 220 KV)	75%	90%
13	Control & Relay Panels, SCADA, etc	60%	75%
14	Substation structures & Transmission Line Towers	90%	100%
15	DG Set	100%	100%
16	DC System in a substation	100%	100%
17	Illumination System	100%	100%
18	Grounding System	100%	100%
19	HVDC System	40%	60%

For more info please click [here](#)

Ministry of Power (MoP) has also issued following order for the implementation of public procurement in Hydro Power Sector and Thermal Power Sector giving preference to 'Make in India' products.

- [Public Procurement \(Preference to make in India\) to provide for Purchase Preference \(Linked with Local content\) in respect of Hydro Power Sector.](#)
- [Public Procurement \(Preference to Make in India\) to provide for Purchase Preference \(linked with local content\) in respect of Thermal Power Sector.](#)
 - [Office Memorandum dated 20.03.2020 for amendments](#)

7. Glossary

S. No.	Acronym	Expansion
1	WTO	World Trade Organization
2	BIS	Bureau of Indian Standards
3	TEC	Telecom Engineering Centre
4	I-TIP	Integrated Trade Intelligence Portal
5	NTMs	Non-Tariff Measures
6	GATs	General Agreement on trade in services
7	TBT	Technical Barriers to Trade
8	CRS	Compulsory Registration Scheme
9	MEITY	Ministry of Electronics and Information and Technology
10	MTCTE	Mandatory Testing & Certification of Telecom Equipment
11	OEM	Original Equipment Manufacturer
12	ERs	Essential Requirements
13	CABs	Conformity Assessment Bodies
14	IPv	Internet Protocol Version
15	LC	Local Content
16	PPP MII	Public procurement (Preference to Make in India) order
17	DIPP	Department of Industrial Policy and Promotion
18	MNRE	Ministry of New and Renewable Energy
19	MoP	Ministry of Power
20	EPC	Engineering Procurement and Construction
21	DoT	Department of Telecommunications

8. Sources

- <https://bis.gov.in/index.php/product-certification/products-under-compulsory-certification/>
- <https://bis.gov.in/index.php/standards/technical-information-services/>
- <https://chemicals.nic.in/bis-standards-mandatory>
- <http://www.tec.gov.in/mandatory-testing-and-certification-of-telecom-equipments-mtcte/>
- https://www.wto.org/english/tratop_e/markacc_e/markacc_e.htm
- <https://www.crsbis.in/BIS/products.do>

- https://en.wikipedia.org/wiki/Market_access
- <http://tbtims.wto.org/en/Notifications/Search>
- <http://www.tec.gov.in/mandatory-testing-and-certification-of-telecom-equipments-mtcte/>
- <https://meity.gov.in/esdm/ppo>
- <http://www.tec.gov.in/public-procurement-preference-to-make-in-india-order-2017/>
- <https://www.icis.com/explore/resources/news/2019/11/22/10446979/india-plans-mandatory-certification-of-more-chemical-imports>

Annexure 1

TBT notifications issues by India:

WTO reference no.	Products	Objective of measure
G/TBT/N/IND/146	Butterfly valves for general purposes	Protection of the environment;
G/TBT/N/IND/144	Sodium Tripolyphosphate Anhydrous (HS Code 2835 3100)	Protection of human health or safety; Protection ...
G/TBT/N/IND/145	FOOD PRODUCTS AND ADDITIVES	Protection of human health or safety;
G/TBT/N/IND/143	Products covered under the Notification include Toys, Dolls and similar other recreational goods which ...	Protection of human health or safety ...
G/TBT/N/IND/142	Barium Carbonate (HS Code 2836 6000)	Protection of the environment;
G/TBT/N/IND/140	Plain Copier Paper	Protection of the environment;
G/TBT/N/IND/141	Sodium Formaldehyde Sulphoxylate (HS Code 2831 1020)	Protection of human health or safety ...
G/TBT/N/IND/127	Phosphorous Trichloride (HS Code 2812 1021)	Protection of human health or safety ...
G/TBT/N/IND/128	Potassium Carbonate Anhydrous (HS Code 2836 4000)	Protection of human health or safety ...
G/TBT/N/IND/138	PYRIDINE (HS Code 2933 3100)	Protection of human health or safety ...

G/TBT/N/IND/139	Sodium Sulphide (HS Code 2830 1000)	Protection of human health or safety ...
G/TBT/N/IND/132	Gamma Picoline (HS Code 2933 3913)	Protection of human health or safety ...
G/TBT/N/IND/133	Hydrogen Peroxide (HS Code 2847 0000)	Protection of human health or safety ...
G/TBT/N/IND/134	Morpholine (HS Code 2933 3917)	Protection of human health or safety ...
G/TBT/N/IND/135	PHENOL (HS Code 2907 1110)	Protection of human health or safety ...
G/TBT/N/IND/136	Phosphorous Oxychloride (HS Code 2812 1030)	Protection of human health or safety ...
G/TBT/N/IND/137	Phosphorous Pentachloride (HS Code 2812 1400)	Protection of human health or safety ...
G/TBT/N/IND/129	Acetone (HS Code 2914 1100)	Protection of human health or safety ...
G/TBT/N/IND/130	Beta Picoline (HS Code 2933 3916)	Protection of human health or safety ...
G/TBT/N/IND/131	Toys	Protection of human health or safety; Protection ...
G/TBT/N/IND/121	IS 5295 Ethylene Glycol (HS code 29053100)	National security requirements; Prevention ...
G/TBT/N/IND/122	IS 15623 Melamine (HS code 29336100)	National security requirements; Prevention ...
G/TBT/N/IND/123	IS 14709 n- Butyl Acrylate (HS code 29161210)	National security requirements; Prevention ...
G/TBT/N/IND/124	IS15030 Terephthalic Acid (HS code 29173600)	National security requirements; Prevention ...

G/TBT/N/IND/125	IS 537 Toluene (HS code 29023000)	National security requirements; Prevention ...
G/TBT/N/IND/126	IS 336 Ether (HS code 39072010)	National security requirements; Prevention ...
G/TBT/N/IND/120	Table 1: Sl. No. Indian Standards Steel or steel products Indian Trades Classification ...	Protection of human health or safety; Quality ...
G/TBT/N/IND/118	Safety Glass	Protection of human health or safety; Protection ...
G/TBT/N/IND/119	Flat Transparent Sheet Glass	Protection of human health or safety; Protection ...
G/TBT/N/IND/76/Rev.1	Aluminium and Aluminium Alloy Bare Foil for Food Packaging	Protection of human health or safety; Protection ...
G/TBT/N/IND/116	IS 5158: Phthalic Anhydride (HS code 29173500)	National security requirements; Prevention ...
G/TBT/N/IND/117	1. IS 14887 Textiles – High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for ...	Protection of human health or safety;
G/TBT/N/IND/115	Rubber Hose for Liquefied Petroleum Gas (LPG)- IS 9573:2017 (Part I Industrial Application) and IS ...	Protection of human health or safety; Protection ...
G/TBT/N/IND/112	Domestic Pressure Cooker	Protection of human health or safety; Protection ...
G/TBT/N/IND/113	Steel Tubes, Tubulars and Other Wrought Steel Fittings, Steel Tubes for Structural Purposes and ...	Protection of human health or safety; Protection ...

G/TBT/N/IND/114	Heavy Duty Electric Cables, Cross-linked Polyethylene Insulated Sheathed Cables, Aerial Bunched Cables ...	Protection of human health or safety; Protection ...
G/TBT/N/IND/111	Transparent Float Glass	Prevention of deceptive practices and consumer ...
G/TBT/N/IND/110	Air Conditioner and its related Parts, Hermetic Compressor and Temperature Sensing ...	Protection of human health or safety; Protection ...
G/TBT/N/IND/109	Gold jewellery and gold artefacts	Prevention of deceptive practices and consumer ...
G/TBT/N/IND/108	720421 - - Of stainless steel; 720610 - - Ingots; 7207 - Semi-finished products of iron or non-alloy steel.; 720890 - - Other; 721090 - - Other; 721190 - - Other; 721410 - - Forged; 721550 - - Other, not further worked than cold-formed or cold-finished; 721590 - - Other; 7218 - Stainless steel in ingots or other primary forms; semi-finished products of stainless steel.; 7219 - Flat-rolled products of stainless steel, of a width of 600 mm or more.; 7220 - Flat-rolled products of stainless steel, of a width of less than 600 mm.; 7221 - Bars and rods, hot-rolled, in irregularly wound coils, of stainless steel.; 7222 - Other bars and rods of stainless steel; angles, shapes and sections of stainless steel.; 7223 - Wire of stainless steel.; 722550 - - Other, not further worked than cold-rolled (cold-reduced); 722692 - - Not further worked than cold-rolled (cold-reduced); 722699 - - Other; 722790 - - Other;	Protection of human health or safety; ...

	<p>722830 - - Other bars and rods, not further worked than hot-rolled, hot-drawn or extruded; 722840 - - Other bars and rods, not further worked than forged; 722850 - - Other bars and rods, not further worked than cold-formed or cold-finished; 722860 - - Other bars and rods; 722870 - - Angles, shapes and sections; 722880 - - Hollow drill bars and rods; 722990 - - Other; 7209 - Flat-rolled products of iron or non-alloy steel, of a width of 600 mm or more, cold-rolled (cold-reduced), not clad, plated or coated.; 7216 - Angles, shapes and sections of iron or non-alloy steel.; 7217 - Wire of iron or non-alloy steel.; 7224 - Other alloy steel in ingots or other primary forms; semi-finished products of other alloy steel.; 72112 - - Not further worked than cold-rolled (cold-reduced);; 72149 - - Other;; 72259 - - Other;; 72269 - - Other;; 722691 - -- Not further worked than hot-rolled; 722693 - -- Electrolytically plated or coated with zinc; 722694 - -- Otherwise plated or coated with zinc; ...</p>	
G/TBT/N/IND/106	Cycles-Lighting and Retro-Reflective Devices- Part 2 Retro-Reflective Devices/ Cycles-Safety Requirements for Bicycles	Protection of human health or safety; ...
G/TBT/N/IND/107	Domestic Gas Stoves for use with Liquefied Petroleum Gases	Protection of human health or safety; Protection of the environment; ...
G/TBT/N/IND/103	Food Products	Protection of human health or safety; ...

G/TBT/N/IND/104	Food Products	Consumer information, labelling; Protection of human health or safety; ...
G/TBT/N/IND/102	Labelling on pre-packaged food	Consumer information, labelling; ...
G/TBT/N/IND/101	Cosmetic products	Protection of human health or safety; ...
G/TBT/N/IND/100	Acetic Acid (HS Code 29152100) ...	Protection of human health or safety; Protection of the environment; ...
G/TBT/N/IND/98	Food Products ...	Reducing trade barriers and facilitating trade; ...
G/TBT/N/IND/99	Food Products ...	Reducing trade barriers and facilitating trade; ...
G/TBT/N/IND/96	Methanol (Methyl Alcohol) (HS Code 29051100) ...	Protection of human health or safety; Protection of the environment; ...
G/TBT/N/IND/97	Aniline (HS Code 29214110)	Protection of human health or safety; Protection of the environment; ...
G/TBT/N/IND/92	Surgical Rubber Gloves, Disposable Surgical Rubber Gloves, Gloves made from rubber latex or rubber solution, gloves made from poly (vinyl chloride). ...	Protection of human health or safety; Protection of the environment; Quality requirements; ...
G/TBT/N/IND/93	Infant Radiant Warmer, Multifunction Patient Monitoring Equipment, Pulse Oximeter Equipment ...	Protection of human health or safety; Protection of the environment; Quality requirements; ...
G/TBT/N/IND/94	Blades, Surgical, Detachable (Bard Parker Type) and Handles ...	Protection of human health or safety; Protection of the environment; Quality requirements; ...
G/TBT/N/IND/91	Poly Aluminium Chloride ...	Protection of human health or safety; ...
G/TBT/N/IND/89	Claims made on edible vegetable oils ...	Protection of human health or safety; ...

<p>G/TBT/N/IND/90+D6</p> <p>8C83A61:D66A61:D7</p> <p>7C83A61:D66</p>	<p>Sl. No.</p> <p>Goods and articles</p> <p>Essential Requirement(s)</p> <p>1.</p> <p>Stampings/ laminations/ cores of Transformers (with or without winding)</p> <p>Made from BIS standard marked Grain Oriented Electrical Steel Sheet and Strip conforming to IS 3024:2015 or Cold rolled non-oriented electrical steel sheet and strip conforming to IS 648:2006</p> <p>2.</p> <p>Stainless Steel Pipes and Tubes</p> <p>Stainless steel Pipes and Tubes shall be made from the stainless steel products, specified in the corresponding Indian Standard specified in column (2) of the Table 1, bearing Standard Mark.</p> <p>Provided that the Stainless Steel Pipes and Tubes referred to in this sub-paragraph shall be accompanied with the test certificate of the stainless steel products specified in the corresponding Indian Standard given in the column (2) of the Table 1.</p>	<p>Protection of human health or safety;</p>
<p>G/TBT/N/IND/87</p>	<p>Food Products</p>	
<p>G/TBT/N/IND/88</p>	<p>Food Products</p>	<p>Protection of human health or safety;</p>

G/TBT/N/IND/86	Plugs and Socket-outlets/Alternating Current Direct Connected Static Prepayment Meters for Active Energy (Class 1 and 2)	Protection of human health or safety; Protection of the environment; Quality requirements;
G/TBT/N/IND/85	Protective Headgear (Helmet)	Protection of human health or safety;
G/TBT/N/IND/84	Cotton Bales ITC HS Sub heading 5201	Quality requirements;
G/TBT/N/IND/83	Product covered under: HS code (National tariff lines): 85042100, 85042200, 85043200, 85043300, 85043400. Indian Standards: IS 1180:2014 Part-I.	Other;
G/TBT/N/IND/81	Food Products	Consumer information, labelling;
G/TBT/N/IND/82	Name of the products: Electric Overhead Travelling Crane & Gantry Crane and Power Driven Mobile Crane – Relevant 8 digit HS Codes are: 84261100, 84261200, 84261900, 84264100, 84264900, 84269100 and 84269990	Protection of human health or safety;
G/TBT/N/IND/80	Transparent Float Glass of cut sizes or stock sheets square, rectangular and of other shapes.	Protection of human health or safety; Protection of the environment; Quality requirements;
G/TBT/N/IND/77	Labelling on pre-packaged food	Consumer information, labelling;
G/TBT/N/IND/78	Instantaneous Domestic Water Heaters for use with Liquefied Petroleum Gas	Protection of human health or safety; Protection of the environment;
G/TBT/N/IND/79	Hand-held Blender/ Domestic Electric Food Mixer (Liquidizers and Grinder) and Centrifugal Juicer	Protection of human health or safety; Protection of the environment;
G/TBT/N/IND/75	Food Products.	Consumer information, labelling; Protection of human health or safety;

G/TBT/N/IND/76	Aluminium and Aluminium Alloy Bare Foil for Food Packaging	Protection of human health or safety; Protection of the environment;
G/TBT/N/IND/74	Room Air Conditioners: Part 2 Split air Conditioners/ Room Air Conditioners – Part 1: Unitary Air Conditioners/ Packaged Air Conditioners/ Hermetic Compressor/ Thermostats for use in Refrigerators, Air Conditioners, Water Coolers and Beverage Coolers/ Finned Type Heat Exchanger for Room Air Conditioner	Prevention of deceptive practices and consumer protection; Protection of the environment;
G/TBT/N/IND/73	Food Products	Protection of human health or safety;
G/TBT/N/IND/67	Food Products	Not specified ;
G/TBT/N/IND/68	All items under EXIM Codes 95030010, 95030020, 95030030 and 95030090	Protection of human health or safety;
G/TBT/N/IND/69	Chemical substance - Caustic Soda	Protection of human health or safety; Protection of the environment;
G/TBT/N/IND/70	Common Salt	Other;
G/TBT/N/IND/71	All pre-packaged commodities meant for retail sale are covered under the said amendment except otherwise exempted from the Rules.	Consumer information, labelling;
G/TBT/N/IND/72	Sl. No. Indian standards Title 1. IS 280 Mild steel wire for General Engineering purposes 2, IS 398 (Part 2)	Protection of human health or safety; Quality requirements;

	<p>Aluminium Conductors Galvanized steel – Reinforced</p> <p>3.</p> <p>IS 1835</p> <p>Round steel wire for ropes</p> <p>4.</p> <p>IS 1993</p> <p>Cold-reduced Electrolytic Tinplate</p> <p>5.</p> <p>IS 3975</p> <p>Low carbon Galvanized steel wires, formed wires and Tapes for armouring of cables</p> <p>6.</p> <p>IS 4368</p> <p>Alloy Steel billets, blooms and slabs for forging for general engineering purposes</p> <p>7.</p> <p>IS 4454 (part 1)</p> <p>Steel wires for mechanical springs, Part 1 cold drawn unalloyed steel wire</p> <p>8.</p> <p>IS 4454 (Part 2)</p> <p>Steel wire for mechanical springs Part 2 : oil hardened and tempered steel wire</p>	
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

	<p>9.</p> <p>IS 4824</p> <p>Bead Wires for Tyres</p> <p>10.</p> <p>IS 6527</p> <p>Stainless Steel Wire Rod</p> <p>11.</p> <p>IS 6528</p> <p>Stainless Steel Wires</p> <p>12.</p> <p>IS 6603</p> <p>Stainless Steel Bars and Flats</p> <p>13.</p> <p>IS 11169 (Part 1)</p> <p>Steel for Cold Heading/Cold extrusion applications</p> <p>14.</p> <p>IS 11587</p> <p>Structural Weather resistant steel</p> <p>15.</p> <p>IS 12591</p> <p>Cold reduced electrolytic chromium / Chromium oxide – coated steel</p> <p>16.</p> <p>IS 15103</p> <p>Fire resistant steel -</p>	
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

	<p>Specification</p> <p>17.</p> <p>IS 15914</p> <p>High Tensile Strength Flat Rolled Steel Plate (Up To 6 Mm), Sheet And Strip For The Manufacture Of Welded Gas Cylinder</p> <p>18.</p> <p>IS 15961</p> <p>Hot Dip aluminium – Zinc alloy metallic coated steel strip and sheet (plain)</p> <p>19.</p> <p>IS 15962</p> <p>Structural Steel for Building for Structures with improved seismic Resistance</p>	
G/TBT/N/IND/66	HS 8517	National security requirements; Protection of human health or safety;
G/TBT/N/IND/65	Advertisements and claims made on food products	Consumer information, labelling;
G/TBT/N/IND/44/Ad d.6	List of 15 Products notified in Schedule to the Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012	Protection of human health or safety;
G/TBT/N/IND/64	Packaging materials used for packaging of food products.	Protection of human health or safety;
G/TBT/N/IND/63	Food Products	Consumer information, labelling;
G/TBT/N/IND/61	Food Products	Protection of human health or safety;

G/TBT/N/IND/62	Food Products	Protection of human health or safety;
G/TBT/N/IND/60	IS 7904 High Carbon Steel Wire Rods IS 14246 Continuously Pre-Painted Galvanized Steel Sheets and Coils IS 15965 Pre-Painted Aluminium Zinc Alloy Metallic Coated Steel Strip and Sheet	Protection of human health or safety; Quality requirements;
G/TBT/N/IND/59	Standards for Solar Photovoltaics, Systems, Devices and Components Goods.	Prevention of deceptive practices and consumer protection; Protection of the environment;
G/TBT/N/IND/58	Gazette notification concerning Indian Language Support for Mobile Phone Handsets as per IS 16333 (Part 3) to the Schedule of "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012"	Protection of human health or safety;
G/TBT/N/IND/57	Omission of provision from 2.10.6(1) Beverages Non - Alcoholic-Carbonated, for declaration of added sugar.	
G/TBT/N/IND/47/Ad d.3	Addition of 15 products to the Schedule of the "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012" (List attached)	Protection of human health or safety;
G/TBT/N/IND/56	IS 14887: Textiles - High Density Polyethylene (HDPE) / Polypropylene (PP) Woven Sacks for packaging of 50 kg Foodgrains (HS Code 39232100/39232990) ; ; IS 16208: Textiles - High Density Polyethylene (HDPE) / Polypropylene (PP) Woven Sacks for packaging 10 kg, 15 kg, 20 kg, 25 kg and 30 kg Foodgrains (HS Code 39232100/39232990) ; ; IS 14968: Textiles - High Density Polyethylene (HDPE) / Polypropylene (PP) Woven	Protection of human health or safety; Quality requirements;

	Sacks for packaging 50 kg / 25 kg Sugar (HS Code 39232100/39232990) ; ; IS 14252: Textiles - High Density Polyethylene (HDPE) / Polypropylene (PP) Woven Sacks for filling Sand (HS Code 39232100/39232990)	
G/TBT/N/IND/44/Ad d.5	List of 15 Products notified in Schedule to the "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012"	Protection of human health or safety;
G/TBT/N/IND/55	Energy efficient induction motors - Three phase squirrel cage	Protection of human health or safety; Protection of the environment;
G/TBT/N/IND/54	Electrical capacitors / A.C. motor capacitors / Power capacitors of self healing type for AC power systems having a rated voltage upto 650V / Shunt capacitors of non-self healing type for AC power systems having a rated voltage upto and including 650V	Protection of human health or safety; Quality requirements;
G/TBT/N/IND/44/Ad d.4	List of 15 Products notified in Schedule to the "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012"	Protection of human health or safety;
G/TBT/N/IND/47/Ad d.2	Addition of 15 products to the Schedule of the "Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012" (List attached)	Protection of human health or safety;
G/TBT/N/IND/53	Food products	Protection of human health or safety;
G/TBT/N/IND/52	Milk and milk products	Protection of human health or safety;
G/TBT/N/IND/51	Alcoholic beverages	Protection of human health or safety;

G/TBT/N/IND/47/Ad d.1/Corr.1	Addition of 15 products to the Schedule of the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012” (List attached)	Protection of human health or safety;
G/TBT/N/IND/47/Ad d.1	Addition of 15 products to the Schedule of the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012” (List attached)	Protection of human health or safety;
G/TBT/N/IND/50	IS 5522 Stainless steel sheets and strips for utensils ; IS 15997 Low nickel austenitic stainless steel sheet and strip for utensils and kitchen appliances – Specification ; IS 6911 Stainless steel plate, sheet and strip - Specification	Protection of human health or safety; Quality requirements;
G/TBT/N/IND/49	Edible vegetable oil / Edible vegetable fat	Protection of human health or safety;
G/TBT/N/IND/48	IS 432: Part 1 Mild Steel and Medium Tensile Steel Bars and Hard–Drawn Steel Wire for Concrete Reinforcement: Part 1 Mild Steel and Medium Tensile Steel Bars ; IS 432: Part 2 Mild Steel and Medium Tensile Steel Bars and Hard–Drawn Steel Wire for Concrete Reinforcement: Part 2 Hard-Drawn Steel Wire ; IS 513 Cold Reduced Low Carbon Steel Sheets and Strips ; IS 1079 Hot Rolled Carbon Steel Sheet and Strip ; IS 1875 Carbon Steel Billets, Blooms, Slabs and Bars for Forgings ; IS 1993 Cold Reduced Electrolytic Tin Plate ; IS 2879 Mild Steel for Metal Arc Welding Electrodes ; IS 3502 Steel Chequered Plates ; IS 5872 Cold Rolled Steel Strips (Box Strappings) ; IS 5986 Hot Rolled Steel Flat	Protection of human health or safety; Quality requirements;

	<p>Products for Structural Forming and Flanging Purposes ;</p> <p>IS 6240 Hot Rolled Steel Plate (up to 6 mm) Sheet and Strip for the Manufacture of Low Pressure Liquefiable Gas Cylinders ;</p> <p>IS 7283 Hot Rolled Bars for Production of Bright Bars and Machined Parts for Engineering Applications ;</p> <p>IS 7887 Mild steel wire rods for general engineering purposes ;</p> <p>IS 10748 Hot Rolled Steel Strip for Welded Tubes and Pipes ;</p> <p>IS 11513 Hot Rolled Carbon Steel Strip For Cold Rolling Purposes ;</p> <p>IS 15647 Hot Rolled Steel Narrow Width Strip for Welded Tubes and Pipes</p>	
G/TBT/N/IND/47	Addition of 15 products to the Schedule of the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012” (List attached)	Protection of human health or safety;
G/TBT/N/IND/44/Ad d.3	List of 15 Products notified in Schedule to the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012”	Protection of human health or safety;
G/TBT/N/IND/44/Ad d.2	List of 15 Products notified in Schedule to the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012”	Protection of human health or safety;
G/TBT/N/IND/46	Food items including processed food items.	Protection of human health or safety;
G/TBT/N/IND/45/Re v.1	Articles of Food as mentioned in the draft regulation.	Protection of human health or safety;

G/TBT/N/IND/45	Food Standards	Protection of human health or safety;
G/TBT/N/IND/32/Ad d.3	ICS: 77.140, 77.080	
G/TBT/N/IND/44/Ad d.1	List of 15 Products notified in Schedule to the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012”	Protection of human health or safety;
G/TBT/N/IND/44	List of 15 Products notified in Schedule to the “Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012”	Protection of human health or safety;
G/TBT/N/IND/43	Only 19 commodities mentioned in Second Schedule of the Legal Metrology (Packaged Commodities) Rules, 2011.	Prevention of deceptive practices and consumer protection;
G/TBT/N/IND/42	Hazardous substances, hazardous goods and dangerous goods as specified in the draft rules.	Protection of human health or safety; Protection of the environment;
G/TBT/N/IND/32/Ad d.2	ICS: 77.140, 77.080	
GTbtn10IND41.doc	Electrical and Electronic equipment covered under schedule 1 of the draft notification namely large household appliances, small household appliances, toys, leisure and sports equipment, electrical and electronic tools, medical devices, monitoring and control instruments, automatic dispensers, IT and telecommunication equipment and consumer electronics	Protection of the environment;
GTbtn10IND40R1.do c	(HS Code: 1, Pneumatic Tyres 4011 10)	Quality requirements;

GTbtn10IND40.doc	HS Code 1. Pneumatic Tyres 4011 10	
G/TBT/N/IND/20/Ad d.1	Pneumatic Tyres & Tubes for Automotive Vehicles. ICS: numbers may be provided in addition, where applicable): ICS: 83.160.10	
GTbtn09IND38.doc	All pre-packaged food imported or domestically produced. ;	Prevention of deceptive practices and consumer protection;
GTbtn09IND39.doc	All pre-packaged food imported or domestically produced.	Prevention of deceptive practices and consumer protection;
GTbtn08IND36.doc	Frost Free Refrigerators.	Protection of the environment;
GTbtn08IND37.doc	Tubular Fluorescent Lamps.	Protection of the environment;
GTbtn08IND35.doc	All gasoline/CNG/LPG and diesel vehicles covered by the Central Motor Vehicles Rules 1989 and its subsequent amendments	--
GTbtn08IND34.doc	All pre-packaged food imported or domestically produced	--
GTbtn08IND33.doc	Cosmetic products	--
G/TBT/N/IND/24/Ad d.1	Cylinders For On-Board Storage of Compressed Natural Gas as a Fuel for Automotive Vehicles (ICS: 23.020, 43.040)	--
G/TBT/N/IND/27/Ad d.1	Sphygmomanometers, Mercurial and Aneroid Type (ICS: 11.040)	--
G/TBT/N/IND/28/Ad d.1	Pressed Ceramic Tiles (ICS: 91.100)	--
G/TBT/N/IND/29/Ad d.1	Clinical thermometers (ICS: 11.040)	--

G/TBT/N/IND/30/Ad d.1	Electrical products mentioned at Sr. No 8 (ICS: 97.030; 29.120.30)	--
G/TBT/N/IND/31/Ad d.1	Protective helmets for motorcycle riders (ICS: 13.340)	--
G/TBT/N/IND/32/Ad d.1	ICS: 77.140, 77.080	--
GTbtn07IND32.doc	ICS: 77.140, 77.080	--
GTbtn07IND27.doc	Sphygmomanometers, Mercurial and Aneroid Type (ICS: 11.040)	--
GTbtn07IND28.doc	Pressed Ceramic Tiles (ICS: 91.100)	--
GTbtn07IND29.doc	Clinical thermometers (ICS: 11.040)	--
GTbtn07IND30.doc	Electrical products mentioned at Sr. No 8 (ICS: 97.030; 29.120.30)	--
GTbtn07IND31.doc	Protective helmets for motorcycle riders (ICS: 13.340)	--
GTbtn07IND23.doc	Ductile Iron Pressure Pipes and Ductile Iron Fittings for Pressure Pipes for Water, Gas and Sewage (ICS: 23.040.10, 23.040.40)	--
GTbtn07IND24.doc	Cylinders For On-Board Storage of Compressed Natural Gas as a Fuel for Automotive Vehicles (ICS: 23.020, 43.040)	--
GTbtn07IND25.doc	Veterinary Thermometers (ICS: 11.040)	--
GTbtn07IND26.doc	Clinical electrical thermometers (ICS: 11.040)	--

GTbtn06IND22.doc	All medicines	--
GTbtn06IND21.doc	Tobacco products	--
GTbtn06IND20.doc	Pneumatic Tyres & Tubes for Automotive Vehicles. ICS: numbers may be provided in addition, where applicable): ICS: 83.160.10	--
GTbtn06IND19.doc	i) Cardiac Stents, (ii) Drug Eluting Stents, (iii) Catheters, (iv) Intra Ocular Lenses, (v) I. V. Cannulae, (vi) Bone Cements, (vii) Heart Valves, (viii) Scalp Vein Set, (ix) Orthopaedic Implants, (x) Internal Prosthetic replacements	--
GTbtn06IND18.doc	All packaged commodities except drugs	--
GTbtn06IND17.doc	Genetically Modified Food, Feed, Genetically Modified Organisms	--
GTbtn06IND13.doc	Generator sets run with diesel	--
GTbtn06IND14.doc	Generator sets run with diesel	--
GTbtn06IND15.doc	Generator sets run on petrol and kerosene	--
GTbtn06IND16.doc	Generator sets (up to 19 kilowatt) run on petrol and kerosene	--
GTbtn06IND12.doc	Genetically engineered or modified Foods and food ingredients composed of or containing genetically modified or engineered organism obtained through modern biotechnology	--
GTbtn05IND11.doc	The Tyres including radial tyres, "battery operated	--

	vehicles”, battery operated vehicles, power tillers, etc.	
Gtbtn05IND10.doc	Packaged drinking water	--
Gtbtn02IND4.doc	All packed and/or bottled food items	--
Gtbtn02IND6.doc	Packaged Drinking Water as defined under Notification no. G.S.R 760(E) dated 29 September 2000	--
Gtbtn02IND7.doc	Vegetarian Food as defined under Notification no. G.S.R 908(E) dated 20 December 2001	--
Gtbtn02IND8.doc	All packaged food products	--
Gtbtn02IND9.doc	Second hand or new vehicle (including all the vehicles other than Railway or Tramway-as covered under Ch. 87 of ITC (HS) classification of import and export items). A. Second hand or used vehicle shall mean a vehicle that: (a) has been sold, leased or loaned prior to importation into India; or (b) has been registered for use in any country according to the laws of that country, prior to importation into India. B. New imported vehicle shall mean a vehicle that: (a) has not been manufactured/assembled in India; and (b) has not been sold, leased or loaned prior to importation into India; or (c) has not been registered for use in any country according to the laws of that country, prior to importation into India	--
Gtbtn02IND2.doc	Non-Vegetarian Food as defined under Notification no. G.S.R 245(E) dated 4 April 2001	--

Gtbtn02IND3.doc	All packed and bottled Food items	--
Gtbtn02IND5.doc	Mineral Water defined under: Prevention of Food Adulteration (6th Amendment) Rules, 2000 as published vide Notification no. G.S.R 759 (E) dated 29 September 2000	--
Gtbtn02IND1.doc	(a) All pre-packaged consumer products are covered under the labelling requirements; (b) The list of 133 products if available in the notifications no. 44 dated 24 November 2000 and notification no. 7 dated 31 March 2001	--

Complete list of TBT notifications issued by India is available [here](#)