

भारतीय मानक ब्यूरो  
भारत के राष्ट्रीय मानक निकाय

रुचि की अभिव्यक्ति (ईओआई) के लिए

भारतीय मानकों के तहत उत्पादों पर  
मार्गदर्शन दस्तावेज तैयार करना

जारी करने की तिथि: 13 जुलाई, 2021  
संदर्भ संख्या: टीएनएमडी/जीडी/ईओआई/2021

भारतीय मानक ब्यूरो

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भारतीय मानक ब्यूरो

**Bureau of Indian Standards**

The National Standards Body of India

# **Expression of Interest (EOI) for Preparation of Guidance Documents on Products under Indian Standards**

**Date of Issue: 13 July, 2021**

**Reference No: TNMD/GD/EoI/2021**

## **BUREAU OF INDIAN STANDARDS**

Manak Bhawan

9 Bahadur Shah Zafar Marg New Delhi – 110 002, India

Phone: 23235069

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## **BUREAU OF INDIAN STANDARDS**

### **Invitation for Expression of Interest (EOI) for Preparation of Guidance Documents on Products under Indian Standards**

1. Bureau of Indian Standards (the Bureau) is the National Standards Body, functioning under the aegis of Ministry of Consumer Affairs, Food and Public Distribution, Govt. of India. Bureau of Indian Standards has been established under Bureau of Indian Standards Act, 2016, for the harmonious development of the activities of Standardization, marking and quality certification of goods and for matters connected therewith or incidental thereto. The Bureau has been providing traceable and tangible benefits to the economy in a number of ways - providing safe reliable quality goods; minimizing health hazards to consumers; promoting exports and imports substitute; control over proliferation of varieties etc. through Standardization, Conformity Assessment and Training.
2. In pursuance of its objectives, the Bureau plans to bring out ‘**Guidance Documents**’ on **100 Products** under Indian Standards established in the different areas such various Civil Engineering, Food, Agriculture, Electrotechnical, Metallurgical, Textiles, Mechanical, Chemical, Petrochemical & Coal, Plastics, Medical Devices, Services etc.
3. The Bureau invites applications from Agency with experience and expertise in the field of documentation of technical and professional nature, eliciting ‘Expression of Interest’ for ‘Preparation of Guidance Documents on Products under Indian Standards’ in a time-bound manner.
4. For details on the domain of the Standards Formulation Activity, please visit Bureau of Indian Standards Website: [www.bis.gov.in](http://www.bis.gov.in). The details of standards & related information can be accessed at one place using “**Know Your Standards**” feature of Bureau of Indian Standards website. List of published standards and text of the standards can also be accessed at and downloaded from Standardization Portal of e-BIS ([www.manakonline.in](http://www.manakonline.in)).
5. Application shall be made on the “Application Form for Expression of Interest for Preparation of Guidance Documents on Products under Indian Standards” available on Bureau of Indian Standards’ website. The applicable Terms and Conditions are also available on Bureau of Indian Standards’ website. Any query in this regard may be addressed to Scientist F (Head-Think, Nudge & Move Department) as per contact details given below.
6. Applications incomplete in any respect or conditional will be summarily rejected.
7. The last date for submitting EoI is **13 August 2021**.
8. Detailed RFP Document will be issued to the Agencies whose EoI are accepted by the Bureau.
9. The Agencies meeting the eligibility criteria may be asked to make technical presentation on their EoI to the Committee constituted by the Bureau.

10. Critical Dates and other instructions:

Sl. No.	Events	Date
1.	Issue of EoI	13 July 2021
2.	Last Date of Submission of Queries	07 August 2021
3.	Last Date of submission of Application	13 August 2021
4.	Opening of Technical Bid	16 August 2021

EoI will be uploaded on Central Public Procurement Portal (<https://eprocure.gov.in>) and the Bureau website (<http://www.bis.gov.in>). ) using Hindi or English language and International numerals. In the event of enclosed documents being in a language other than English, it should be translated to English with International numerals, and duly certified by the Authorized Signatory of the Bidder.

Applicants will be responsible for registering their Agency at Central Public Procurement Portal and seeking all necessary approvals required to upload the Application Expression of Interest for preparation of guidance documents on products under Indian Standards. The Bureau reserves the right to amend the document, tentative schedule and critical dates. It is the sole responsibility of prospective applicants to go through Central Public Procurement Portal or the Bureau Website from time to time for any updated information.

11. The Agencies meeting the eligibility criteria may be asked to make presentation to the Committee constituted by the Bureau for the Evaluation of the Expression of Interest received. RFP document will be issued to the Agencies whose EoIs are accepted.

Scientist F (Head-Think, Nudge & Move Deptt.)  
Bureau of Indian Standards  
Room No. 560, Manakalaya  
9, Bahadurshah Zafar Marg  
New Delhi 110002  
E-mail: [tnmd@bis.gov.in](mailto:tnmd@bis.gov.in)

**Disclaimer:** Bureau of Indian Standards reserves the right to change the dates or cancel this request for EoI or invite afresh with or without amendments, without liability or any obligation for such request for EoI and without assigning any reason. Information provided at this stage is indicative and Bureau of Indian Standards reserves the right to amend or add further details in the EoI.

## **BUREAU OF INDIAN STANDARDS**

### **APPLICATION FORM FOR EXPRESSION OF INTEREST FOR PREPARATION OF GUIDANCE DOCUMENTS ON PRODUCTS UNDER INDIAN STANDARDS**

#### **A. Agency Details:**

1. Name: .....
2. Address: .....  
..... Pin Code:.....  
Phone No.....  
E-mail:.....
3. Name of Authorized Person:.....  
Designation:.....  
Phone No.:.....  
E-mail:.....
4. Name of Project Manager or SPOC (Single Point of Contact):..  
Designation:.....  
Phone No.:.....  
E-mail:.....
5. Type of Agency\*: Govt. or Semi Govt. or Private (Proprietorship or Partnership or Pvt Ltd. or Public Ltd)
6. Goods & Service Tax (GST) No\*:.....
7. PAN number\*:.....
8. Agency Profile: Pl. attach.
9. Details of association with Bureau of Indian Standards & its activities, if any:.....
10. Brief description of experience of Agency in preparation of technical documents  
\*:.....
11. Availability of competent manpower:\*. ....

#### **B. Declarations:**

1. We have been registered as a legal entity in India with at least 3 years of operation ending 31st March 2021. \*
2. Average annual turnover of last 3 years ending 31 March 2021: \*....
3. We would adhere to the time schedule and the terms and conditions laid down by Bureau of Indian Standards.\*\*
4. We have not have been blacklisted by any of the State Government, Central Government Agency, PSU or NASSCOM (As per Format at Annex 2). \*\*
5. We have not have been found guilty of any criminal offence by any Court of law (As per Format at Annex 3). \*\*

\* Attach documentary evidence as per Eligibility Criteria.

\*\*To be given on letter head.

**C. EoI Details** (valid for a minimum period of 180 days from the submission date):

1. Estimated time period for delivery of Guidance Document from issue of Work Oder (in weeks):
2. Estimated manpower resources:
3. Any specific resource for each Guidance Document:

Signature: .....

Name: .....

Designation: .....

Address Seal: .....

Place:

Date:

## **BUREAU OF INDIAN STANDARDS**

### **TERMS & CONDITIONS FOR EXPRESSION OF INTEREST FOR PREPARATION OF GUIDANCE DOCUMENTS ON PRODUCTS UNDER INDIAN STANDARDS**

#### **1. BACKGROUND**

Bureau of Indian Standards (the Bureau) is the National Standards Body, functioning under the aegis of Ministry of Consumer Affairs, Food and Public Distribution, India. Bureau of Indian Standards has been established under Bureau of Indian Standards Act, 2016, for the harmonious development of the activities of Standardization, marking and quality certification of goods and for matters connected therewith or incidental thereto. The Bureau has been providing traceable and tangible benefits to the economy in a number of ways - providing safe reliable quality goods; minimizing health hazards to consumers; promoting exports and imports substitute; control over proliferation of varieties etc. through Standardization, Conformity Assessment and Training.

In pursuance of its objectives, Bureau of Indian Standards plans to bring out 'Guidance Documents' on **100 Products** under Indian Standards established in the different areas such various Civil Engineering, Food, Agriculture, Electrotechnical, Metallurgical, Textiles, Mechanical, Chemical, Petrochemical & Coal, Plastics, Rubber, Medical Devices, Services etc.

#### **2. OBJECTIVES**

The objective of the Guidance Document is to provide information on applicable requirements for products or services to the stakeholders of Bureau of Indian Standards, especially the industry, and provide necessary practical guidance to ensure that the products or services so produced comply with relevant Indian Standards and related regulatory requirements.

#### **3. SCOPE OF WORK**

The Guidance Documents in English and Hindi should be in a clear, unambiguous and simple language, avoiding jargon. It should cover:

- i) Description of the product(s) and varieties that fall under the scope of the Indian Standard(s) related to the product including its components and raw materials (including limitation, if any). This can be brought forth through appropriate examples or FAQs. The terminology for the product as commonly understood by general public and in trade should also be mentioned.
- ii) Pre-requisites for setting up the manufacturing or services facility.
- iii) Illustrative list of typical manufacturing equipment and infrastructure. Explanation notes be included as feasible.
- iv) Elaboration of the requirements specified in the Indian Standard and referred Indian Standards. The associated Indian Standards on other aspects such as raw material standards, test method standards, code of practice, dimensions, processes etc. also need to be considered and covered while preparation of Guidance Documents. This information is available on BIS website [www.bis.gov.in](http://www.bis.gov.in).
- v) Significance of each test parameter or requirement.
- vi) Description of important process controls or checks to be employed in manufacturing (raw materials to finished product) that are essential for meeting the requirements of the Indian Standard.
- vii) Illustrative list of testing facility (equipment and personnel competence etc.) required and calibration needs. Explanation notes be included as feasible.
- viii) Information of Regulatory Framework in the country relevant to the product or service



- ix) Practical guidance on complying with applicable Indian Standards and regulations that refer to these Standards
- x) Guidance for Bureau of Indian Standards certification (schemes and process), as applicable.

#### 4. ELIGIBILITY CRITERIA

The Agency should be capable of delivering the Guidance Documents and shall fulfil the following criteria to be eligible to participate in the EoI and has to sign and return the evidences of each criteria with the Application:

Sl. No.	Minimum Eligibility Criteria	Evidence
i)	Shall be registered as a legal entity in India with at least 3 years of operation ending 31 <sup>st</sup> March 2021.	Valid document such as Registration Certificate or Certificate of Incorporation or MSME Certificate.
ii)	Shall not be blacklisted by any of the State Government, Central Government Agency, PSU or NASSCOM.	Self-Declaration on letter head as per Format at Annex 2.
iii)	Shall not be found guilty of any criminal offence by any Court of law.	Self-Declaration on letter head as per Format at Annex 3.
iv)	Valid Goods & Service Tax (GST) Regn. No.	Copy of Registration Certificate
v)	PAN No.	Copy of PAN card
vi)	The average annual turnover of the Agency during last three years, ending on 31 <sup>st</sup> March, 2021, shall not be less than Rs. 50 lakhs.  In case of Micro and Small Enterprises, or start-up, the requirement of average turnover during last three years, ending on 31 <sup>st</sup> March, 2021 shall not be less than Rs. 25 lakhs (refer Office Memorandum no 1(2)(1)/2014-MAPart dated 10-03-2016).	Certificate from the Chartered Accountant of the Agency and Audited Balance sheets for last three years.  Certificate of Registration as Micro and Small Enterprise or start-up with organizations under the administrative control of the Central or State Government.
vii)	The Agency must have the experience of preparation of technical documents and should demonstrate the availability of the manpower with the requisite expertise.	<ul style="list-style-type: none"> <li>i) Documentary evidence of having prepared technical documents that should include a certificate or letter from the Agency concerned regarding satisfactory execution of the work.</li> <li>ii) Professional Resume of the employees and consultants on the rolls of the Agency and proposed to be hired for this work.</li> <li>iii) Professional Resume of the professional proposed to be the Project manager for the work.</li> </ul>

RFP document will be issued to the Agencies whose EoIs are accepted.

## **5. METHODOLOGY**

- (a) To collect relevant information as per the Scope at S.No. 3 of this EoI, analyze the applicable requirements viz-a-viz Standards and regulatory framework for the products or services.
- (b) To prepare Guidance Document for the identified products listed at Annex 1, with due consultation with Technical Departments of Bureau of Indian Standards and relevant stakeholders including Laboratories, Government Departments, technical experts and Committee members, in a time-bound manner.
- (c) Identify and suggest measures for improvement of compliance to standards and regulations.
- (d) The Agency will assign a Project Manager or SPOC (Single Point of Contact) for this project.

## **6. TIME SCHEDULE**

It is expected that the draft Guidance Documents for all the Products under Indian Standards identified for this purpose as mentioned at Annex 1 should be submitted to the Bureau within three months of the work order, and the final version of the documents within two months of the receipt of the feedback of the Bureau on the draft Guidance Documents. The Agency shall, however indicate its own timeframe for the submission of the draft and final versions of the Guidance Documents.

## **7. SUPPORT TO BE PROVIDED BY BUREAU OF INDIAN STANDARDS**

Think, Nudge & Move Department would be overall coordinator for the project. Technical coordination and approval of final Guidance Document would be carried out by the nodal officer from concerned Technical Department.

## **8. DELIVERABLES**

The Agency, after it is given the work order, shall be required to submit Guidance Documents on the Products listed at Annex 1, in accordance with the Scope as mentioned at S.No. 3 of this document and the specified time schedule along with suggestion on measures for improvement of compliance to standards and regulations.

On final approval, the Guidance Documents in English and Hindi shall be provided in PDF and also in editable format, including sketches and drawings.

## **9. CONFIDENTIALITY**

Agency shall maintain confidentiality at all times. Agency shall maintain confidentiality, uphold the integrity of data, information and documents that they have access to. The Guidance Document will be the sole property of Bureau of Indian Standards and the Agency cannot publish or reproduce it under its name without prior and specific approval of the Bureau.

## **10. SETTLEMENT OF DISPUTE**

In case of any dispute that cannot be resolved amicably, it shall be referred to sole Arbitrator appointed by Director General, Bureau of Indian Standards, whose decision shall be final and binding upon both the parties (Bureau of Indian Standards and the Agency). The provisions of the Arbitration and Conciliation Act, 1996, as amended from time to time, shall be applicable.

## **11. JURISDICTION**

The Hon'ble courts at Delhi alone shall have the jurisdiction to try and decide the lawsuit pertaining to this EoI.

## Annex 1

### **PRODUCTS UNDER INDIAN STANDARDS FOR PREPARATION OF GUIDANCE DOCUMENTS**

Sl. No.	Name of Product or Product Group	Principal Indian Standard(s) (see NOTE at the end of list)	
		IS No.	Title
CIVIL ENGINEERING DEPARTMENT			
1.	Ceramic Tiles	4457 : 2007	Ceramic unglazed vitreous acid resisting tiles
		15622 : 2017	Pressed ceramic tiles
2.	Precast Concrete Products	15658 : 2021	Concrete paving blocks
		1237 : 2012	Cement concrete flooring tiles
		13801 : 2013	Chequered cement concrete tiles
		458 : 2021	Precast concrete pipes (with & without reinforcement)
		1332 : 1986	Precast reinforced concrete street lighting poles
		2193 : 1986	Precast pre-stressed concrete street lighting poles
		5758 : 2020	Precast concrete kerbs, channels, edging, quadrants and other associated fittings
		12592 : 2002	Precast concrete manhole cover and frame
		2185 (Part 1): 2005	Concrete masonry unit — Hollow and solid concrete blocks
		2185 (Part 2) : 1983	Concrete masonry units — Hollow and solid lightweight concrete blocks
		218 (Part 3) : 1984	Concrete masonry units — Autoclaved cellular aerated concrete blocks
		2185 (Part 4) : 2008	Concrete masonry units — Preformed foam cellular concrete blocks
		12440 : 1988	Precast concrete stone masonry blocks
		16720 : 2018	Pulverized fuel ash-cement bricks
		5820 : 1970	Precast concrete cable covers
3.	Helmets	4151 : 2015	Protective helmet for two wheeler riders
		432 (Part 1) : 1982	Mild steel and medium tensile steel bars and hard-drawn steel wire for concrete reinforcement — Mild steel and medium tensile steel bars
		432 (Part 2) : 1982	Mild steel and medium tensile steel bars and hard-drawn steel wire for concrete reinforcement — Hard-drawn steel wire
		1566 : 1982 : 1982	Hard-drawn steel wire fabric for concrete reinforcement
4.	Steel Bars and Wires for Concrete Reinforcement and Prestressing Steel	1785 (Part 1) : 1983	Plain hard-drawn steel wire for pre-stressed concrete — Cold-drawn stress relieved wire

		1785 (Part 2) : 1983	Plain hard drawn steel wire for pre-stressed concrete — as-drawn wire
		1786 : 2008	High strength deformed steel bars and wires for concrete reinforcement
		2090 : 1983	High tensile steel bars used in pre-stressed concrete
		6003 : 2010	Indented wire for pre-stressed concrete
		6006 : 2014	Uncoated stress relieved strand for pre-stressed concrete
		13620 : 1993	Fusion bonded epoxy coated reinforcing bars
		14268 : 2017	Uncoated stress relieved low relaxation seven wire (ply) strand for pre-stressed concrete
		16172 : 2014	Reinforcement couplers for mechanical splices of bars in concrete
		16651 : 2017	High strength deformed stainless steel bars and wires for concrete reinforcement
		16644 : 2018	Stress-relieved low relaxation steel wire for pre-stressed concrete
5.	Plywood	303 : 1989	Plywood for general purposes
		710 : 2010	Marine plywood
		1328 : 1996	Veneered decorative plywood
		4990 : 2011	Plywood for concrete shuttering works
		5509 : 2000	Fire retardant plywood
		5539 : 1969	Preservative treated plywood
		709 : 1974	Medium strength aircraft plywood
		4859 : 1968	High strength aircraft plywood
		7316 : 1974	Decorative plywood using plurality of veneers for decorative faces
		13957 : 1994	Metal faced plywood
		10701 : 2012	Structural plywood
		15791 : 2007	Museum plywood
6.	Plastic Pipes and Fittings	4984 : 2016	Polyethylene pipes for water supply
		4985 : 2021	Un-plasticized PVC pipes for potable water supplies
		7834 (Part 1) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies
		7834 (Part 2) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — 45 degree elbows
		7834 (Part 3) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — 90 degree elbows
		7834 (Part 4) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — 90 degree tees
		7834 (Part 5) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — 45 degree tees
		7834 (Part 6) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — Sockets
		7834 (Part 7) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — Unions
		7834 (Part 8) : 1987	Injection moulded PVC socket fittings with solvent cement joints for water supplies — Caps

	8008 (Part 1) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water supplies — Fittings
	8008 (Part 2) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water — 90degree bend
	8008 (Part 3) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water Supplies — 90degree tees
	8008 (Part 4) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water — Reducers
	8008 (Part 5) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water supplies — Ferrule reducers
	8008 (Part 6) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water supplies — Pipe ends
	8008 (Part 7) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water supplies — Sandwich flanges
	8008 (Part 8) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water supplies — Reducing tees
	8008 (Part 9) : 2003	Injection moulded/ machined high density polyethylene (HDPE) fittings for potable water supplies — ends caps
	8360 (Part 1) : 1977	Fabricated high density polyethylene (HDPE) fittings for potable water supplies
	8360 (Part 2) : 1977	Fabricated high density polyethylene (HDPE) fittings for potable water supplies — 90 degree tees
	8360 : Part: 3 1977	Fabricated high density polyethylene (HDPE) fittings for potable water supplies — 90 degree bends
	9271 : 2004	Un-plasticized polyvinyl chloride (UPVC) single wall corrugated pipes for drainage
	10124 (Part 1) : 2009	Fabricated PVC-U fittings for potable water supplies
	10124 (Part 2) : 2009	Fabricated PVC-U Fittings for potable water supplies — Sockets
	10124 (Part 3): 2009	Fabricated PVC-U fittings for potable water supplies — Straight reducers
	10124 (Part 4) : 2009	Fabricated PVC-U fittings for potable water supplies — Caps
	10124 (Part 5) : 2009	Fabricated PVC-U fittings for potable water supplies — Equal tees
	10124 (Part 6) : 2009	Fabricated PVC-U fittings for potable water supplies — Flanged tail pieces with metallic flanges
	10124 (Part 7) : 2009	Fabricated PVC-U fittings for potable water supplies — Threaded adaptors
	10124 (Part 8) : 2009	Fabricated PVC-U fittings for potable water supplies — 90 degree bends

	10124 (Part 9): 2009	Fabricated PVC-U fittings for potable water supplies — 60 degree bends
	10124 (Part 10) : 2009	Fabricated PVC-U fittings for potable water supplies — 45 degree bends
	10124 (Part 11) : 2009	Fabricated PVC-U fittings for potable water supplies — 40 degree bends
	10124 (Part 12) : 2009	Fabricated PVC-U fittings for potable water supplies — 22½ degree bends
	10124 (Part 13) : 2009	Fabricated PVC-U fittings for potable water supplies — 11¼ O bends
	12231 : 1987	Un-plasticized PVC pipes for use in suction and delivery lines of agricultural pump sets
	12709 : 1994	Glass - fibre reinforced plastic (GRP) pipes joints and fittings for use for potable water supply
	12818 : 2010	Un-plasticized polyvinyl chloride (PVC - U) screen and casing pipes for bore/tube wells
	13592 : 2013	Un-plasticized polyvinyl chloride (PVC-U) pipes for soil and waste discharge system inside and outside buildings including ventilation and rainwater system
	13593 : 1992	UPVC pipe fittings to be used with the (UPVC) pipes in the suction and delivery lines of agricultural pumps
	14333 : 1996	High density polyethylene pipe for sewerage
	14402 : 1996	Glass fibre reinforced plastics (GRP) pipes, joints and fittings for use for sewerage, industrial waste and water (other than potable)
	14735 : 1999	Un-plasticized polyvinyl chloride (UPVC) injection moulded fittings for soil and waste discharge system for inside and outside buildings including ventilation and rain water system
	14787 : 2000	Un-plasticized PVC pipes (ducts) and fittings for underground telecommunications cable installation
	14885 : 2001	Polyethylene pipes for the supply of gaseous fuels
	15265 : 2003	Flexible PVC pipes or polymer reinforced thermoplastic hoses for suction and delivery lines of agricultural pumps
	15328 : 2003	Un-plasticized non-pressure polyvinyl chloride (PVC -U) pipes for use in underground drainage and sewerage systems
	15445 : 2010	Polyethylene/aluminium/polyethylene composite pressure pipes for hot and cold water supplies
	15778 : 2007	Chlorinated polyvinyl chloride (CPVC) pipes for potable hot and cold water distribution supplies
	15801 : 2019	Polypropylene — Random copolymer pipes for hot and cold water supplies
	15927 (Part 1) : 2012	Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels — Fittings for socket fusion using heated tools
	15927 (Part 2) : 2012	Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels — Spigot fittings for butt fusion for socket fusion using heated tools and for use with electro fusion fittings



		15927 (Part 3) : 2011	Polyethylene fittings for use with polyethylene pipes for the supply of gaseous fuels — Electro fusion fittings
		16647 : 2017	Oriented un-plasticized polyvinyl chloride (PVC - O) pipes for water supply
7.	Gypsum Building Products	2095 (Part 1) : 2011	Gypsum plaster boards — Plain gypsum plaster boards
		2095 (Part 2) : 2001	Gypsum plaster boards — Coated laminated gypsum plaster boards
		2095 (Part 3) : 2018	Gypsum plaster boards — Reinforced gypsum plaster boards, tiles, cornices and mouldings
		2547 (Part 1) : 1976	Gypsum building plaster — Excluding premixed lightweight plasters
		2547 (Part 2) : 1976	Gypsum building plasters — Premixed lightweight plasters
		2849 : 1983	Non-load bearing gypsum partition blocks (solid and hollow types)
		8272 : 1984	Gypsum plaster for use in the manufacture of fibrous plaster boards
		17400 : 2021	Glass fibre reinforced gypsum panels
8.	Fire Extinguishers	15683 : 2018	Portable fire extinguishers — performance and construction
		16088 : 2012	Chlorinated polyvinyl chloride (CPVC) pipes for automatic sprinkler fire extinguishing system
		11833 : 1986	Dry powder fire extinguisher for metal fires
		14951 : 2001	Fire extinguisher — 145 litres capacity mechanical foam type
CHEMICAL DEPARTMENT			
9.	Writing & Printing Paper Products	1848 (Part 1) : 2018	Writing and printing papers — Account book, azure lead, bond, cream laid and cream wove/printing white/printing coloured/printing offset, printing maplitho, printing white super calendered and typewriting types
		1848 (Part 2) : 2018	Writing and printing papers — Air mail/manifold, cartridge drawing and cartridge white, duplicating absorbent and duplicating semi — Absorbent and poster machine glazed types
		12766 : 1997	Computer paper
		14490 : 2018	Plain copier paper
10.	Paper Based Food Packaging	8113 : 1976	Primary cartons for packaging butter
		9988 : 1981	Waxed paper for bread and biscuits
		7162 : 1973	Waxed cartons for packaging of ice-cream
		14319 : 1995	Laminated paper board pack for vanaspati
		10177 : 1982	Ice cream cups and lids
11.	Soaps & Detergents	2888 : 2004	Toilet soap
		4199 : 2001	Toilet soap, liquid
		11479 (Part 1) : 2001	Antibacterial toilet soap — Solid cake

		11479 (Part 2) : 2020	Antibacterial toilet soap — Liquid
		4955 : 2020	Household laundry detergent powders
		4956 : 2020	Synthetic detergents for industrial purposes
		8180 : 2020	Household laundry detergent bars
		9458 : 2020	Synthetic detergents for washing woollen and silk fabrics
12.	Protective Footwear	15298 (Part 2) : 2016	Personal protective equipment — Safety footwear
		15298 (Part 3) : 2019	Personal protective equipment — Protective footwear
		15298 (Part 4) : 2017	Personal protective equipment — Occupational footwear
		3976 : 2018	Safety rubber canvas boots for miners
		5557 (Part 2) : 2018	All rubber gum boots and ankle boots — Occupational purposes
13.	Enamel and Primer for Paint	12744 (Part 1) : 2013	Ready mixed paint air drying red oxide — Zinc phosphate priming for domestic and decorative applications
		2074 (Part 1) : 2015	Ready mixed paint air drying red oxide — Zinc chrome priming for domestic and decorative applications
		2932 (Part 1) : 2013	Enamel, synthetic, exterior : (a) undercoating (b) finishing — for domestic and decorative applications
		2933 (Part 1) : 2013	Enamel, exterior : (a) undercoating (b) finishing — for domestic and decorative applications
		133 (Part 1) : 2013	Enamel, interior : (a) undercoating (b) finishing —for household and decorative purposes
		13238 : 1991	Epoxy based zinc phosphate primer two pack
14.	Water Treatment Chemicals for treatment of water intended for drinking	15573 : 2018	Polyaluminium chloride
		1065 (Part 2) : 2019	Stable bleaching powder — for treatment of water intended for drinking
		11673 (Part 2) : 2019	Sodium hypochlorite solution — Water treatment use
		9825 : 2003	Chlorine tablets
15.	Shoe Polish Products	1746 : 1992	Shoe polish, paste
		12010 : 1987	Shoe polish, liquid
		10025 : 1981	Polish, liquid (white), for canvas footwear
ELECTROTECHNICAL DEPARTMENT			
16.	Distribution Transformers	1180 (Part 1) : 2014	Outdoor/indoor type oil immersed distribution transformers up to and including 2500 kVA, 33kV — Mineral oil immersed
		1180 (Part 3) : 2021	Outdoor/indoor type liquid immersed distribution transformers up to and including 2 500 kVA, 33kV — Natural/synthetic organic ester immersed
17.	Ceiling Fans and Fan Regulators	374 : 2019	Electric ceiling type fans
		11037 : 2019	Electronic type fan regulators



18.	Circuit Breakers	IS/IEC 60898 (Part 1) : 2015	Circuit-breakers for overcurrent protection for household and similar installations — Circuit-breakers for a.c. operation
19.	Flameproof Enclosures	IS/IEC 60079 (Part 1) : 2014	Explosive atmospheres — Equipment protection by flameproof enclosures “d”
20.	Three Phase and Single Phase a.c. Motors	12615 : 2018	Line operated three phase a.c. motors (IE CODE) efficiency classes and performance
		996 : 2009	Single phase a.c. induction motors for general purpose
21.	Plugs, Socket and Switches	1293: 2019	Plugs and socket-outlets for household and similar purposes of rated voltage up to and including 250 V and rated current up to and including 16 A
		3854: 1997	Switches for domestic and similar purposes
22.	PVC Cables	694 : 2010	Polyvinyl chloride insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 450/750 V
		1554 (Part 1) : 1988	PVC insulated (heavy duty) electric cables for working voltages up to and including 1100 V
23.	Geyser	2062 : 2018	Stationary storage type electric water heaters
		302 (Part 2) : Sec 21 : 2018	Safety of household and similar electrical appliances — Stationary storage type electric water heaters
24.	Electrical Energy Meters	13779 : 2020	AC static watthour meters, class 1 and 2
		16444 (Part 1) : 2015	AC static direct connected watthour smart meter class 1 and 2
25.	LED bulbs	16102 (Part 1) : 2012	Self - ballasted LED lamps for general lighting services — Safety requirements
		16102 (Part 2) : 2017	Self - ballasted LED lamps for general lighting services — Performance requirements
26.	LED Modules	16103 (Part 1) : 2012	LED modules for general lighting — Safety requirements
		16103 (Part 2) : 2012	LED modules for general lighting — Performance requirements
27.	Luminaires	IS 10322 (Part 1) : 2014	Luminaires — General requirements and tests
		IS 10322 (Part 5/Sec 1) : 2012	Fixed general purpose luminaires
		IS 10322 (Part 5/Sec 2): 2012	Recessed luminaires
		IS 10322 (Part 5/Sec 3) : 2012	Luminaires for road and street lighting
		IS 10322 : (Part 5/Sec 4) : 1987	Portable general purpose luminaires
		IS 10322 : (Part 5/Sec 5) : 2013	Floodlights
		IS 10322 : (Part 5/Sec 6) : 2013	Handlamps

		IS 10322 : (Part 5/Sec 7) : 2017	Lighting chains
		IS 10322 : (Part 5/Sec 8) : 2013	Emergency lighting
		IS 10322 : (Part 5/Sec 9): 2017	Rope lights
FOOD & AGRICULTURE DEPARTMENT			
28.	Salts	253 : 2014	Common salt
		7224 : 2006	Iodized salt, vacuum evaporated iodized salt and refined iodized salt
		12981 : 1991	Common salt — Iron fortified
29.	Poultry feeds	1374 : 2007	Poultry feeds
30.	Compounded feeds for cattle	2052 : 2009	Compounded feeds for cattle
31.	Water Purification System	16240 : 2015	Reverse osmosis (RO) based point-of-use (POU) water treatment system
32.	Power Thresher	9020 : 2002	Power threshers — Safety requirements
33.	Agricultural Tractors	12207 : 2019	Agricultural tractors — Recommendations on selected performance characteristics
34.	Bio fertilizers	8268 : 2001	Rhizobium inoculants
		9138 : 2009	<i>Azotobacter</i> spp. inoculants
		14806 : 2000	<i>Azospirillum</i> inoculants
		14807 : 2000	Phosphate solubilizing bacterial inoculant (PSBI)
		15849 : 2009	Phosphate solubilizing fungal inoculants — <i>Aspergillus awamori</i>
		17134 : 2020	Bio fertilizer — Liquid based rhizobium inoculants
		17135 : 2019	Bio fertilizer — Liquid based <i>Azotobacter</i> spp. inoculants
		17136 : 2019	Bio fertilizer — Liquid based <i>Azospirillum</i> inoculants
35.	Jaggery	12923 : 1990	Cane gur (jaggery)
		13952 : 2018	Palm jaggery (gur)
36.	Power Tiller	13539 : 2018	Power tiller — Recommendations on selected performance and other characteristics
37.	Combine Harvester	15806 : 2018	Combine harvester — Recommendations on selected performance and other characteristics
38.	Irrigation Equipment	12786 : 1989	Irrigation equipment — Polyethylene pipes for irrigation laterals
		14606 : 1998	Irrigation equipment — Media filters
		13487 : 1992	Irrigation equipment — Emitters
		13488 : 2008	Irrigation equipment — Emitting pipe systems
		14482 : 1997	Irrigation equipment — Polyethylene micro tubes for drip irrigation

		14743 : 1999	Irrigation equipment — Hydrocyclone filters
		12785 : 1994	Irrigation equipment — Strainer-type filters
		14483 (Part 1) : 1997	Fertilizer and chemical injection system — Venturi injector
		14483 (Part 2) : 2002	Fertilizer and chemical injection system — Water-driven chemical injector pump
		14483 (Part 3) : 2018	Fertilizer and chemical injector system — Fertilizer tank
		12232 (Part 1) : 1996	Irrigation equipment — Rotating sprinkler — Design and operational requirements
		17425 : 2020	Irrigation equipment — Quick coupled polyethylene pipes and fittings for sprinkler irrigation systems
		17411 (Part 2) : : 2020	Agricultural irrigation equipment — Filters for micro-irrigation — Strainer-type filters and disc filters
39.	Fish feed	16150 (Part 1) : 2014	Fish feed — Carp feed
		16150 (Part 2) : 2014	Fish feed — Catfish feed
		16150 (Part 3) : 2014	Fish feed — Marine shrimp feed
		16150 (Part 4) : 2014	Fish feed — Freshwater prawn (macro brachium rosenbergii) feed
40.	Fertilizers	294 : 2018	Single superphosphate
		826 : 2018	Ammonium sulphate, fertilizer grade
		2764 : 2018	Potassium sulphate, fertilizer grade
		2779 : 2018	Potassium chloride (muriate of potash), fertilizer grade
		5406 : 1979	Urea, fertilizer grade
		6448 : 2018	Diammonium phosphate
ELECTRONICS AND INFORMATION TECHNOLOGY DEPARTMENT			
41.	Hearing aid	10775 : 1984	Body level hearing aids
		16127 : 2013	Behind the ear (BTE) hearing aids — Digital
42.	Camera Devices for Video Surveillance System	16910 (Part 5) : 2020	Video surveillance systems for use in security applications — Data specifications and image quality performance for camera devices
43.	Optical Fibre Cables	16939 : 2018	Optical fibre cables for inside premises (FTTx) application
		17046 : 2018	Fibre optic cable for cable TV application
44.	Coaxial Cables	IS/IEC 61196 (Part 3/Sec 1) : 1995	Radio-frequency cables — Coaxial cables for digital communication in horizontal floor wiring —for cables of 500 m reach and up to 10 Mb/s
		IS/IEC 61196 (Part 3/Sec 2) : 1997	Radio-frequency cables — Coaxial cables for digital communication in horizontal floor wiring —for coaxial cables with solid dielectric for local area networks of 185 m reach and up to 10 Mb/s

		IS/IEC 61196 (Part 3/Sec 3) : 1997	Radio-frequency cables — Coaxial cables for digital communication in horizontal floor wiring —for coaxial cables with foamed dielectric for local area networks of 185 m reach and up to 10 Mb/s
		IS/IEC 61196 (Part 6/Sec 1) : 2009	Coaxial communication cables — CATV drop cables — Blank detail specification
		IS/IEC 61196 : (Part 6/Sec 2) : 2020	Coaxial communication cables — CATV drop cables — 75-4 type cables
		IS/IEC 61196 : (Part 6/Sec 3) : 2020	Coaxial communication cables — CATV drop cables — 75-5 type cables
		IS/IEC 61196 : (Part 6/Sec 4) : 2020	Coaxial communication cables — CATV drop cables — 75-7 type cables
		IS/IEC 61196 (Part 8/Sec 1) : 2012	Coaxial communication cables — Semi-flexible cables with polytetrafluoroethylene (PTFE) dielectric — Blank detail specification
		IS/IEC 61196 (Part 8/Sec 2) : 2012	Coaxial communication cables — Semi-flexible cables with solid polytetrafluoroethylene (PTFE) insulation — 50-047 type
		IS/IEC 61196 (Part 8/Sec 3) : 2012	Coaxial communication cables — Semi-flexible cables with solid polytetrafluoroethylene (PTFE) insulation — 50-086 type
		IS/IEC 61196 (Part 8/Sec 4) : 2012	Coaxial communication cable — Semi-flexible cables with solid polytetrafluoroethylene (PTFE) insulation — 50-141 type

### PRODUCTION AND GENERAL ENGINEERING DEPARTMENT

45.	Ball Bearings	6455 : 2020	Single row deep groove ball bearings
46.	Steel Drums	1783 (Part 1) : 2014	Drums large, fixed ends — Grade A drums
		1783 (Part 2) : 2014	Drums large, fixed ends — Grade B drums
		13997 : 2014	Drums, large open top
47.	Assembly Hand Tools for Screws And Nuts	2029 : 1998	Ring wrenches (spanners)
		3650 : 1981	Combination side cutting pliers
		4003 (Part 1) : 1978	Pipe wrenches — General purpose
		4003 (Part 2) : 1986	Pipe wrenches — Heavy duty
48.	Mountaineering Equipment	6590 : 1972	Braided nylon rope for mountaineering purposes
		8533 : 1977	General purpose carabineers for mountaineering
49.	Bonded Abrasive Products	551 : 2018/ ISO 525 : 2013	Bonded abrasive products
50.	Height Measuring Instruments	17583 : 2021	Stadiometer
		17582 : 2021	Infantometer

51.	Weighing Scale	16514 (Part 2) : 2019	Non-automatic weighing instruments — Metrological and technical requirements
<b>MECHANICAL ENGINEERING DEPARTMENT</b>			
52.	Air Conditioning	1391 (Part 2) : 2018	Room air conditioners — Split air conditioners
		8148 : 2018	Ducted and package air conditioners
		16590 : 2017	Water cooled chilling packages using the vapour compression cycle
		IS/IEC 60335 (Part 2/Sec 40) : 2018	Household and similar electrical appliances safety — Particular requirements for electrical heat pumps air-conditioners and dehumidifiers
		3315 : 2019	Evaporative air coolers (desert coolers )
		16753 (Part 1) : 2018/ ISO 29463-1 : 2011	High efficiency filters and filter media for removing particles in air
53.	Refrigeration	17550 (Part 1): 2021 (Under print)	Household refrigerating appliances
		1475 (Part 1) : 2001	Self-contained drinking water coolers
		2167 : 2019	Bottle coolers
		7872 : 2020	Deep freezers
		2370 : 2014	Walk-in cold rooms
		11328 : 1985	Self -contained automatic ice makers
		16672 (Part 2):2017 : ISO/ 23953-2 : 2015	Refrigerated display cabinets
		IS/IEC 60335 (Part 2/Sec 89) : 2010	Household and similar electrical appliances — Safety — Commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor
54.	Pumps	1710 : 2021	Vertical turbine pumps
		5600 : 2002	Pumps — Sewage and drainage
		5639 : 1970	Pumps handling chemicals and corrosive liquids
		5659 : 1970	Pumps for process water
		6536 : 1972	Pumps for handling volatile liquids
		6595 (Part 1) : 2018	Horizontal centrifugal pumps for clear, cold water — Agricultural and rural water supply purposes
		6595 (Part 2) : 1993	Horizontal centrifugal pumps for clear, cold water — General purpose (other than agricultural and rural water supply)
		6596 : 1972	Pumps for handling paper stock
		8034 : 2018	Submersible pump sets
		8418 : 1999	Pumps — Centrifugal self-priming
		9079 : 2018	Moonset pumps for clear, cold water for agricultural and water supply purposes
		9201 : 1987	Pumps for handling slurry
		9542 : 1980	Horizontal centrifugal moonset pumps for clear, cold, fresh water

		10805 : 1986	Foot-valves, reflux valves or non-return valves and bore valves to be used in suction lines of agricultural pumping systems
		11501 : 1986	Engine moonset pumps for clear, cold, fresh water for agricultural purposes
		12225 : 1997	Centrifugal jet pump
		12469 : 2019	Pumps for stationary firefighting installations
		14220 : 2018	Open well submersible pump sets
		14263 : 1995	Tapers for agricultural pumping systems
		15657 : 2006	Centrifugal pumps for petroleum, petrochemical and natural gas industries
		17018 (Part 1) : 2018	Solar photovoltaic water pumping systems — Centrifugal pumps
55.	Security Equipment – Safes & Vaults	550 (Part 1) : 2014	Safes
		11188 (Part 1) : 2014	Vault (strong room) doors
56.	Gas Burning Appliances	4246: 2002	Domestic gas stoves for use with liquefied petroleum gases
		17153 : 2019	Domestic gas stoves for use with piped natural gas (PNG)
		17150 : 2019	Mini domestic water heater for use with piped natural gas (PNG)
		15558 : 2005	Mini domestic water heater for use with LPG
		8749 : 2002	Biogas stove
57.	Utensils	2347 : 2017	Domestic pressure cooker
		17526 : 2021	Domestic stainless steel vacuum flask / bottle
		14756 : 2017	Stainless steel cookware
58.	Gas Cylinders	3196 (Part 1) : 2013	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable gases — Cylinders for liquefied petroleum gases (LPG)
		3196 (Part 2) : 2006	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable — Cylinders for liquefiable non-toxic gases other than LPG
		3196 (Part 4) : 2001	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases — Cylinders for toxic and corrosive gases
		4152 : 2011	Seamless carbon dioxide cylinders for firefighting purposes on board ship
		7142 : 1995	Welded low carbon steel cylinders for low pressure liquefiable gases not exceeding 5 litre water capacity
		7285 (Part 1) : 2018	Refillable seamless steel gas cylinders — Normalized steel cylinders
		7285 (Part 2) : 2017	Refillable seamless steel gas cylinders — Quenched and tempered steel cylinders with tensile strength less than 1 00 MPa (112 Kgf/mm <sup>2</sup> )

		7312 : 2018	Welded and seamless steel dissolved acetylene gas cylinders
		8471 : 2003	Acetylene generators
		14899 : 2014	Liquefied petroleum gas (LPG) containers for automotive use
		15490 : 2017	Seamless steel cylinders for on-board storage of compressed natural gas as a fuel for automotive vehicles
		15637 : 2006	Welded stainless steel cylinders for liquefied petroleum gases (LPG) from 0.5 litre to 250 litre water capacity
		15935 : 2021	Composite cylinders for on board storage of compressed natural gas (CNG) as a fuel for automotive vehicle
		16735 : 2018	Cylinders for on-board storage of compressed gaseous hydrogen and hydrogen blends as a fuel for automotive vehicles
59.	Safety of Machinery	16819 : 2018	Safety of machinery — General principles for design — Risk assessment and risk reduction
<b>MEDICAL EQUIPEMENT AND HOSPITAL PLANNING DEPARTMENT</b>			
60.	Rigid Bronchoscopes	15732 (Part 2) : 2019/ ISO 8600-2 : 2015	Rigid bronchoscopes
61.	Embalming Machine	17534 : 2021	Embalming machine
62.	Intraocular lenses	IS/ISO 11979 (Part 8) : 2006	Ophthalmic implants — Intraocular lenses
63.	Foci meter	IS/ISO 8598 (Part 1) : 2014	Optics and optical Instruments — Focimeters
64.	Tonometer	IS/ISO 8612 : 2009	Ophthalmic instruments — Tonometer's
65.	Ophthalmoscope	IS/ISO 10942 : 2006	Ophthalmic instruments — Direct ophthalmoscopes
66.	Joint Replacement Implants	IS/ISO 21534 : 2007	Non-active surgical implants — Joint replacement implants
67.	Otoscope	17407 : 2020	Digital otoscope — Handheld type
68.	Neurological Shunts	IS/ISO 7197 : 2006	Neurological implants — Sterile, single use hydrocephalus shunts and components
69.	Centrifugal Blood Pumps	IS/ISO 18242 : 2016	Cardiovascular implants and extracorporeal systems — Centrifugal blood pumps
<b>METALLURGICAL ENGINEERING DEPARTMENT</b>			
70.	Steel Tubes, Pipes & Fittings	1239 (Part 1) : 2004	Steel tubes, tubulars and other wrought steel fittings — Steel tubes
		3601 : 2006	Steel tubes for mechanical and general engineering purposes
		3589 : 2001	Steel pipes for water and sewage (168.3 to 2540 mm outside diameter)
		4270 : 2001	Steel tubes used for water wells



		1161 : 2014	Steel tubes for structural purposes
		4923 : 2017	Hollow steel sections for structural use
		5504 : 1997	Spiral welded pipes
		IS/ISO 3183 : 2012	Petroleum and natural gas industries — Steel pipe for pipeline transportation systems
		1239 (Part 2) : 2004	Steel tubes, tubulars and other steel fittings — Steel pipe fittings
		6392 : 2020	Steel pipes flanges
71.	Coated Plain Carbon Steel	15965 : 2012	Pre-painted aluminium zinc alloy metallic coated steel strip and sheet (plain)
		14246 : 2013	Continuously pre-painted galvanized steel sheets and coils
		12591 : 2018	Cold-reduced tin mill products — Electrolytic chromium / chromium oxide — Coated steel
		1993 : 2018	Cold-reduced tin mill products — Electrolytic tinplate
72.	Welding Electrodes	814 : 2004	Covered electrodes for manual metal arc welding of carbon and carbon manganese steel
		1395 : 1984	Low and medium alloy steel covered electrodes for manual metal arc welding
		5206 : 1983	Covered electrodes for manual metal arc welding of stainless steel and other similar high alloy steels
		5511 : 1991	Covered electrodes for manual metal arc welding of cast iron
		5857 : 1970	Nickel and nickel alloy bare solid welding rods and electrodes
		15769 : 2008	Flux cored (tubular) electrodes for gas shielded and self — Shielded metal welding of carbon or carbon — Manganese steel
		8736 : 1977	Nickel and nickel alloy covered electrodes for metal arc welding
		8666 : 1977	Copper and copper alloy covered electrodes for manual metal arc welding
		6419 : 1996	Welding rods and bare electrodes for gas shielded arc welding of structural steel
		8363 : 1996	Bare wire electrodes for electro slag welding of steels
73.	Copper Products	12444 : 2020	Copper wire rods for electrical applications
		9713 : 1983	Hot -rolled electrolytic copper wire rods for electrical conductors
		613 : 2000	Copper rods and bars for electrical purposes
		1897 : 2008	Copper strip for electrical purposes
		14340 : 1996	Brass for current carrying parts in electrical wiring accessories
		10773 : 1995	Wrought copper tubes for refrigeration and air-conditioning purposes
		14810 : 2000	Copper tubes for plumbing
		407 : 1981	Brass tubes for general purposes
		2501 : 1995	Solid drawn copper tubes for general engineering purposes



		1545 : 1994	Solid drawn copper and copper alloy tubes for condensers and heat exchangers
74.	Stainless Steel Products	6527 : 1995	Stainless steel wire rods
		6528 : 1995	Stainless steel wire
		4454 (Part 4) : 2001	Steel wires for mechanical springs — stainless steel wire
		9294 : 1979	Cold-rolled stainless steel strips for razor blades
		9516 : 1980	Heat resisting steels
		6913 : 1973	Stainless steel tubes for the food and beverage industry
		11169 (Part 2) : 1989	Steels for cold heading/cold extrusion applications — Stainless steels
		6911 : 2017	Stainless steel plate, sheet and strip
		5522 : 2014	Stainless steel sheets and strips for utensils
		15997 : 2012	Low nickel austenitic stainless steel sheet and strip for utensils and kitchen appliances
75.	Fireclay Refractories	6 : 1983	Moderate heat duty fireclay refractories, group 'A'
		8 : 1994	High heat duty fireclay refractories
		9010 : 1978	Super heat duty fireclay refractories
		2043 : 1984	Siliceous fireclay refractories
		4564 : 1968	Fireclay nozzles
		4565 : 1968	Fireclay stoppers
		1751 : 1984	Fireclay cupola refractories
76.	Silica Refractories	4812 : 1996	Silica refractories for coke oven
		484 : 1980	Silica refractories for general purposes
		1292 : 1991	Silica mortar for laying silica bricks in furnaces
77.	Wire Rods and Wires of carbon steels	279 : 1981	Galvanized steel wire for telegraph and telephone purposes
		280 : 2006/ ISO : 7900	Mild steel wire for general engineering purposes
		1673 : 1984	Mild steel wire, cold heading quality
		1812 : 1982	Carbon steel wire for the manufacture of wood screws
		1835 : 1976	Round steel wire for ropes
		2255 : 1977	Mild steel wire rod for the manufacture of machine screws (by cold heading process)
		2589 : 1975	Hard drawn steel wire for upholstery springs
		3975 : 1999	Low carbon galvanized steel wires, formed wires and tapes for armouring of cables
		4223 : 1975	Steel wire for umbrella ribs
		4224 : 1972	Steel wire for staples, pins and clips
		4454 (Part 1) : 2001	Steel wire for mechanical springs — Cold drawn unalloyed steel wire
		4454 (Part 2) : 2001	Steel wire for mechanical springs — Oil hardened and tempered steel wire
		4454 (Part 4) : 2001	Steel wires for mechanical springs — Stainless steel wire
		4824 : 2006	Bead wire for tyres
		4882 : 1979	Low carbon steel wire for rivets for use in bearing industry
		6902 : 1973	Steel wire for spokes

		7557 : 1982	Steel wire (up to 20 mm) for the manufacture of cold-forged rivets
		7887 : 1992	Mild steel wire rod for general engineering purposes
		7904 : 2018	High carbon steel wire rods
		8510 : (Part 1 to 3) : 1977	Tinned steel wire for banding of armatures and rotors
		8564 : 1977	Steel wire for nipples for spokes
		8565 : 1977	Heald wire
		8566 : 1977	Steel wire for reeds
		12262 : 1988	Trapezoidal steel wire for spring washers
		10794 : 1984	Mild steel wire for cotter pins
78.	Cast Iron Products	1536 : 2001	Centrifugally cast iron pressure pipes for water gas and sewage
		1729 : 2002	Cast iron/ductile iron drainage pipes and fittings for over ground non-pressure pipe line socket and spigot series
		8329 : 2000	Centrifugally cast ductile iron pressure pipes for water gas and sewage
		15905 : 2011	Hub less centrifugally cast iron pressure pipes fittings and accessories
		9523 : 2000	Ductile iron fittings for pressure pipes for water gas and sewage
		1879 : 2010	Malleable cast iron pipe fittings
		13382 : 2018	Cast iron specials for mechanical and push-on flexible joint for pressure pipeline for water gas and sewage
		9139 : 1979	Malleable iron shots and grit for use in foundry
		3989 : 2009	Centrifugally cast iron spigot and socket soil waste ventilating & rain water pipes fittings and accessories
79.	Aluminium Products	737 : 2008	Wrought aluminium and aluminium alloy sheet and strip for general engineering purposes
		15392 : 2003	Aluminium and aluminium alloy bare foil for food packaging
		738 : 1994	Wrought aluminium alloys, drawn tube for general engineering purposes
		7092 (Part 1) : 1992	Aluminium alloy tubes for irrigation purposes — Welded tubes
		7092 (Part 2) : 1987	Aluminium alloy tube for irrigation purposes — Extruded tube
		733 : 1983	Wrought aluminium and aluminium alloy bars, rods and sections (for general engineering purposes)
		6754 : 1972	Aluminium alloy ingots for bearings
		11890 : 1987	High purity primary aluminium ingots for remelting for special applications
		617 : 1994	Cast aluminium and its alloys — Ingots and castings for general engineering purposes
		2590 : 1987	Primary aluminium ingots for remelting for general engineering purposes
TRANSPORT ENGINEERING DEPARTMENT			
80.	Bicycle	16314 : 2015	Cycle — Bicycle for general-purpose

81.	Pallets	17427 : 2020	Wooden (timber) pallets for packaging, storage and transportation
		16058 : 2013	Dunnage pallets made from recycled plastic wastes for warehousing applications
82.	Diesel Engine	10001 : 1981	Performance requirements for constant speed compression ignition (diesel) engines for general purposes (up to 19 kW)
		10002 : 1981	Performance requirements for constant speed compression ignition (diesel) engines for general purposes (above 19 kW)
		11170 : 1985	Performance requirements for constant speed compression ignition (diesel) engines for agricultural purposes (up to 19 kW)
83.	CNG Fuel System	15711 : 2006	Performance and general test methods
84.	Wheels for Automotive Vehicles	9436 : 2018	Performance requirements and methods of tests for wheels for passenger cars
		9438 : 2018	Performance requirements and methods of tests for wheels/rims for trucks
		16192 (Part 1) : 2014	Automotive vehicles wheel rims for two and three wheeled vehicles — Light alloy wheel rims
		16192 (Part 2) : 2014	Automotive vehicles wheel rims for two and three wheeled vehicles — Sheet metal wheel rims
		16192 (Part 3) : 2018	Automotive vehicles wheel rims for two and three wheeled vehicles — Spoke wheel rims
		15627 : 2005	Automotive vehicles — Pneumatic tyres for two and three — Wheeled motor vehicles
		15633 : 2005	Automotive vehicles — Pneumatic tyres for passenger car vehicles — Diagonal and radial ply
		15636 : 2012	Automotive vehicles — Pneumatic tyres for commercial vehicles — Diagonal and radial ply
		13098 : 2012	Automotive vehicles — Tubes for pneumatic tyres
		9168 : 2018	Flaps for all rubber pneumatic tyres for automobiles
85.	Springs	7906 (Part 1) : 1997	Helical compression springs — Design and calculation for springs made from circular section wire and bar
		7906 (Part 2) : 1975	Helical compression springs — Cold coiled springs made from circular section wire and bar
		7906 (Part 3) : 1975	Helical compression springs — Data sheet for specifications for springs made from circular section wire and bar
		7906 (Part 4) : 1987	Helical compression springs — Selection of standard cold coiled springs made from circular section wire and bar
		7906 (Part 5) : 2004	Helical compression springs — Hot coiled springs made from circular section bars
		7906 (Part 6) : 1978	Helical compression springs — Design and calculations for springs made from rectangular section bar — Steel

		7906 (Part 7) : 1989	Helical compression springs — Quality requirements for cylindrical coil compression springs used mainly as vehicle suspension springs
		7906 (Part 8) : 1989	Helical compression springs — Method of inspection of hot coiled compression springs made from circular section bars
		7907 (Part 1) : 2004	Helical extension springs — Design and calculation for springs made from circular section wire and bar
		7907 (Part 2) : 1976	Helical extension springs — Cold coiled springs made from circular section wire and bar
		7907 (Part 3) : 1975	Helical extension springs — Data sheet for specifications for springs made from circular section wire and bar
		7907 (Part 4) : 1987	Helical extension springs — Selection of standard cold coiled springs made from circular section wire and bar
		9484 : 1980	Centre bolts for leaf springs
		9574 : 2004	Leaf springs assembly clips
		1135 : 2018	Leaf springs assembly for automobiles
		9801 : 1981	Laminated springs for railway rolling stock
		10876 : 1984	Buckles for laminated springs for railway rolling stock
		10878 (Part 1) : 1984	Flat form springs — Design and calculation for springs made from rectangular cold — Rolled strips
		10878 (Part 2) : 1984	Flat form springs — Springs made from rectangular cold-rolled strips
		12511 (Part 1) : 2004	Springs — Disc springs — Design calculation
		12511 (Part 2) : 2004	Springs — Disc spring
		15453 : 2004	Spring — Torsion bar springs
		IS/ISO 2162 (Part 2) : 1993	Technical product documentation — Springs — Presentation of data for cylindrical helical compression springs
		7001 : 2017	Springs — Shot peening — General procedures
		7864 (Part 1) : 1975	Upholstery springs — Conical type
		7864 (Part 2) : 1979	Upholstery springs — Zigzag type
TEXTILES DEPARTMENT			
86.	HDPE/PP Bags for Packing Essential Commodities	9755 : 2021	Textiles — High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packing fertilizers
		11652 : 2017	Textiles — High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packaging of 50 kg cement
		12100 : 1987	High density polyethylene (HDPE) woven sacks for packing flour
		14252 : 2015	Textiles — High density polyethylene (HDPE)/polypropylene (PP) woven sack for filling sand)

		14887 : 2014	Textiles — High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packaging of 50 kg food grains
		14968 : 2015	Textiles — High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packing 50 kg/25 kg sugar
		16187 : 2014	Textiles — High density polyethylene (HDPE)/polypropylene (PP) leno woven sacks for packaging and storage of fruits and vegetables
		16208 : 2015	Textile — High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packaging 10 kg, 15 kg, 20 kg, 25 kg and 30 kg food grains
		16703 : 2017	Textiles — High density polyethylene (HDPE)/polypropylene (PP) woven sacks for packaging of 25 kg polymer materials
		16709 : 2017	Textiles — Polypropylene (PP) woven, laminated, block bottom valve sacks for packaging of 50 kg cement
		17279 : 2019	Textiles — Polypropylene (PP) nonwoven sacks for packing bulk commodities
		17399 : 2020	Textiles — Polypropylene (PP)/High density polyethylene (HDPE) laminated woven sacks for mail sorting, storage, transportation and distribution
87.	Protective Clothing for Industrial Workers and Fire Fighters	14744 : 1999	Flame retardant protective hoods
		15071 : 2002	Chemical protective clothing
		15742 : 2007	Textiles — Clothing made of limited flame spread materials and material assemblies affording protection against heat and flame
		15748 : 2007	Textiles — Protective clothing for industrial workers exposed to heat (excluding firefighters' and welders' clothing)
		15809 : 2017	High visibility warning clothes
		16655 : 2017/ ISO 11611 : 2015	Textiles — Protective clothing for use in welding and allied processes
		16874 : 2018	Textiles — Protective gloves for firefighters
		16890 : 2018	Textiles — Protective clothing for firefighters
88.	Nets for Agriculture and Horticulture Purposes	16008 (Part 1) : 2016	Agro textiles — Shade nets for agriculture and horticulture purposes — Shade nets made from tape yarns
		16008 (Part 2) : 2016	Agro textiles — Shade nets for agriculture and horticulture purposes — Shade nets made from mono filament yarns
		16513 : 2016	Agro textiles — Insect nets for agriculture and horticulture purposes
		17356 : 2020	Agro textiles — Windshield nets for agriculture and horticulture purposes
		17357 : 2020	Agro textiles — Harvest nets for agriculture and horticulture purposes

		17358 (Part 1) : 2020	Agro textiles — Fencing nets for agriculture and horticulture purposes — Fencing nets made from extruded polymer mesh
		17358 (Part 2) : 2020	Agro textiles — Fencing nets for agriculture and horticulture purposes — Fencing nets made from mono filament yarns and combination of tape and mono filament yarns
		17513 : 2020	Agro textiles — Plant support nets for agriculture and horticulture purposes
89.	Medical Textiles for Personal Hygiene	5405 : 2019	Sanitary napkins
		17508 : 2020	Disposable adult incontinence diaper
		17509 : 2021	Disposable baby diaper
		17514 : 2020	Reusable sanitary pad/ sanitary napkin/ period panties
90.	Synthetic Fibre Ropes	4572 : 2014/ ISO 1140 : 2012	Fibre ropes — Polyamide 3- 4- 8- and 12 strand ropes
		5175 : 2014/ ISO 1346 : 2012	Fibre ropes — Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) – 3-, 4-, 8- and 12 strand ropes
		8674 : 2013/ ISO 1969 : 2004	Fibre ropes — Polyethylene 3- and 4- strand ropes
		11066 : 2014/ ISO 1141 : 2012	Fibre ropes — Polyester 3-, 4-, 8- and 12- strand ropes
		12733 : 1989	Polyamide double braided rope
		14928 : 2001	Textiles – Composite synthetic fibre ropes
		14929 : 2001	Textiles – High strength polyolefins copolymer ropes
		17608 : 2021/ ISO 10547 : 2009	Polyester fibre ropes — Double braid construction
		17609: 2021/ ISO 10556 : 2009	Fibre ropes of polyester/polyolefin dual fibres
91.	Natural Fibre Ropes	1084 : 2005	Textiles — Manila ropes
		1321 (Part 1):2003	Sisal ropes — Untarred varieties
		1321 (Part 2) : 1982	Sisal ropes — Tarred varieties
		1410 : 2019	Textiles — Coir ropes
		2452 : 1985	Hawser-laid cotton rope
		2453 : 1989	Cable-laid cotton rope
		5176 : 1985	Hawser-laid hemp ropes
		5177 : 1985	Jute lines and ropes
PETROLEUM, COAL & RELATED PRODUCTS DEPARTMENT			
92.	Reclaimed Rubber	7490 : 1997	Reclaimed rubber
93.	Rubber Hoses	444 : 2017	Rubber hoses, textile — Reinforced, for general-purpose water applications
		446 : 2017	Rubber hoses, textile — Reinforced, for compressed air
		635 : 1982	Oil and solvent resistant hose of rubber



		1677 : 2005	Rubber hoses for agricultural spraying
		2396 : 2017/ ISO 5772 : 1998	Rubber hoses and hose assemblies for measured fuel dispensing
		3549 : 2017/ ISO 4641 : 2010	Rubber hoses and hose assemblies for water suction and discharge
		5137 : 1990	Rubber hose for cement grouting
		5797 : 2016/ ISO 1825 : 2010	Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling
		5821 : 1986	Hot-water hose of rubber
		5894 : 2018/ ISO 3861 : 2005	Rubber hoses for sand and grit blasting
		7654 : 1987	Rubber hose for chemicals
		8189 : 1996/ ISO 1823 : 2015	Rubber hose for on-shore oil suction and discharge services
		9573 (Part 1) : 2017/ ISO 928 : 2003	Rubber hose for liquefied petroleum gas (LPG) — Industrial application
		9573 (Part 2) : 2017/ ISO 2928 : 2003	Rubber hose for liquefied petroleum gas (LPG) — Domestic and commercial application
		10655 : 1999/ ISO 6134 : 2017	Rubber steam hose
		10660 : 1983	Rubber hydraulic hose with textile reinforcement
		10733 : 1983	Electrically bonded road and rail tanker hose of rubber, resistant to petroleum products
		10908 : 1991	Flexible rubber tubing for liquefied petroleum gas
		11659 : 1986 / ISO 577 : 2008	Rubber hose for transferring anhydrous ammonia
		12492 : 1988/ ISO 5774 : 2016	Thermoplastics hoses (textile reinforced) for compressed air
		12585 : 1988/ ISO 6224 : 2011	Thermoplastic hoses (textile reinforced) for water — General purpose
		13071 : 1991	Rubber hose, wire reinforced for sand and gravel suction and discharge services
		15355 : 2018/ ISO 8789 : 2009	Rubber hoses and hose assemblies for liquefied petroleum gas (LPG) in motor vehicles
		7651 : 1997/ ISO 1436 : 2017	Wire reinforced rubber covered hydraulic hose
94.	Bitumen	73 : 2013	Paving bitumen
		217 : 2018	Cutback bitumen
		702 : 1988	Industrial bitumen
		3117 : 2004	Bitumen emulsion for roads and allied applications (anionic type)
		8887 : 2018	Bitumen emulsion for roads (cationic type)
		15462 : 2019	Polymer modified bitumen ( PMB )
		15808 : 2008	Multi-grade bitumen for use in pavement construction
		17016 : 2018	Cationic modified bitumen emulsion
		17079 : 2019	Rubber modified bitumen ( RMB )
95.		10840 : 1994	Blow moulded HDPE containers for packing of vanaspati

	Plastic Packaging for Food Products	11352 : 2018	Flexible pouches for the packing of vanaspati up to 2 kg or 2 litres
		11805 : 2007	Polyethylene pouches for packaging liquid milk
		12724 : 2004	Flexible pouches for packing of refined edible oils up to 5 kg or 5 litre
		12883 : 1989	Polyvinyl chloride (PVC) bottles for edible oils
		12887 : 1989	Polyethylene terephthalate (PET) bottles for packaging of edible oils
		14129 : 1994	Flexible packaging materials for the packing of vanaspati in 10 kg and 15 kg packs
		14537 : 1998	Polyethylene terephthalate (PET) bottles for packaging of alcoholic liquors
		14636 : 1998	Flexible packaging materials for packaging of edible oils, ghee and vanaspati
		14764 : 2000	Polyethylene terephthalate (PET) containers for packaging of vanaspati
		15473 : 2004	Blow moulded HDPE containers for packaging of edible oils
96.	Plastic Containers for Drinking water	8688 : 1988	Plastics potable water bottles
		15410 : 2003	Containers for packaging of natural mineral water and packaged drinking water
		15609 : 2005	Polyethylene flexible pouches for the packing of natural mineral water and packaged drinking water
97.	Plastic bags	9738 : 2003	Polyethylene bags for general purposes
		12395 : 1988	Disposable trash bags of plastics
98.	Plastic Tubes for Packaging	12007 : 1987	Laminated collapsible tubes
		17480 : 2020	High density polyethylene multi squeezable tube for packaging
99.	Sheets and films for Agricultural use	14611 : 2016	Multi-layered cross laminated sheets/ tarpaulins/ covers/ agricultural films
		17216 : 2019	Polyethylene mulch films for agriculture and horticulture
SERVICE SECTOR DEPARTMENT-II			
100.	Piped Drinking Water Supply Service	17482 : 2020	Drinking water supply management system — Requirements for piped drinking water supply service

**NOTE :** The associated Indian Standards on other aspects such as raw material standards, test method standards, code of practice, dimensions, processes etc. also need to be considered and covered while preparing the Guidance Documents.



**Annex 2**  
*(To be given on letter head)*

**DECLARATION REGARDING NON-BLACKLISTING  
OF THE AGENCY**

I/We hereby declare that our Agency is not black-listed by any Ministry or Department of Central Government/ State Government or PSU or NASSCOM or other bodies under the Central Government/ State Government.

Dated the .....day of .....2021.

Signature of Authorized Officer \_\_\_\_\_

Name & Address of the Signatory \_\_\_\_\_

\_\_\_\_\_

Seal of the Agency

### **Annex 3**

*(To be given on letter head)*

#### **DECLARATION REGARDING NO PENDENCY OF ANY CRIMINAL CASE AGAINST THE AGENCY OR CONVICTION BY ANY COURT OF LAW**

I/We declare that no criminal case is registered or pending against the Agency or its owner or partners or directors anywhere in India. I/We further declare that neither I/we nor our Agency is found guilty of any criminal offence or convicted by any Court of Law.

Dated the .....day of .....2021.

Signature of Authorized Officer \_\_\_\_\_

Name & Address of the Signatory \_\_\_\_\_

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Seal of the Agency