



Annual Report

2019-2020



Bangladesh Standards and Testing Institution (BSTI)
Ministry of Industries



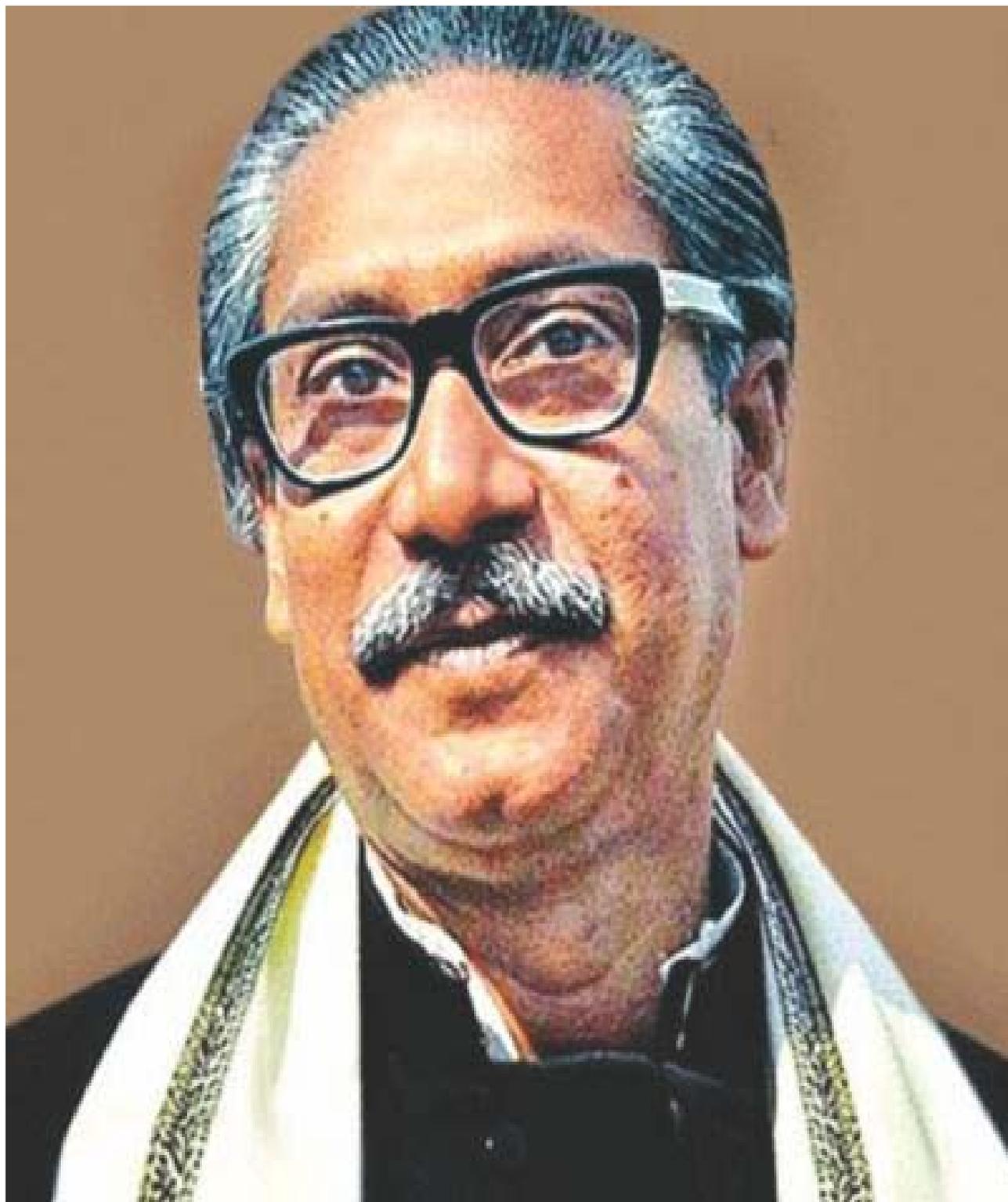
ANNUAL REPORT 2019-2020

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Father of the Nation Bangabandhu Sheikh Mujibur Rahman



Nurul Majid Mahmud Humayun MP
Minister
Ministry of Industries
Government of the People's
Republic of Bangladesh

Message

It gives me immense pleasure to know that the Bangladesh Standards and Testing Institution (BSTI) is going to publish its **Annual Report on the activities of the fiscal year 2019-2020**. It is really an innovative effort and I appreciate all those who are involved in this publication.

International trade competition has become increasingly intensified due to globalization. All the states in the world, irrespective of developed and developing countries, are imposing Technical Barrier to Trade (TBT) in order to sustain their products and services in the global competition. Besides, all the countries have strengthened their efforts with a view to produce quality goods and services aiming to ensure positive export growth. In addition to this, the initiative of building world-class 'quality infrastructure' is being strengthened. To that end, the national standard body of different countries is playing the role of facilitator in expediting these initiatives.

The present government of Bangladesh under the dynamic and visionary leadership of the Honorable Prime Minister Her Excellency Sheikh Hasina, is committed to the nation to build a middle-income country by the year 2021 and a developed one by the year 2041. To fulfill this commitment, the quality of goods and services needs to be upgraded to internationally recognized standards is the demand of the time.

I am pleased to know that this Annual Report has included different activities including BSTI's achievements, strategies, work plans, income-expenditure statement and other important record of services and data for the stipulated financial year. Through this, all the important stakeholders will get a clear understanding of the overall activities of BSTI. I believe that this initiative will help in increasing the confidence among the service recipients and relevant stakeholders of BSTI.

I wish a wider circulation of the publication.


(Nurul Majid Mahmud Humayun MP)



Kamal Ahmed Majumder MP
State Minister
Ministry of Industries
Government of the People's
Republic of Bangladesh

Message

I am very glad to know that the Bangladesh Standards and Testing Institution (BSTI) is going to publish its Annual Report 2019-2020. I appreciate all those who are involved in this immense publication.

As the only National Standard Body of Bangladesh, BSTI is entrusted with the responsibility of formulation of national standards, laboratory testing and product certification (both mandatory and voluntary), Management System Certification (MSC) and metrology service, which are the vital organs of National Quality Infrastructure (NQI). The main goal of this organization is to upgrade the standard of the local products and services to the international level.

For modernization of BSTI the government has already taken several development projects. With these initiatives being implemented the capacity of BSTI is expanding in terms of trained and efficient manpower, modern machineries and equipments set up in world-class laboratories and providing one-stop service. BSTI laboratories have gained accreditation by Bangladesh Accreditation Board (BAB) and National Accreditation Board for Certification Bodies (NABCB), India as per ISO/IEC 17025 in the field of chemical, mechanical and biological testing. I hope BSTI would strengthen its efforts to introduce Bangladesh as a brilliant and prosperous country at the international level through maintaining product quality, assisting export expansion, stopping adulteration, assuring of accurate weighing and measuring techniques across the country.

I wish a wide circulation of the Annual Report 2019-2020 published by BSTI.

Joi Bangla, Joi Bangabandhu
May Bangladesh live forever.

Kamal Ahmed Majumder



K M Ali Azam
Secretary
Ministry of Industries

MESSAGE

I am happy to know that the Bangladesh Standards and Testing Institution (BSTI) is going to publish **Annual Report 2019-2020** on its performance. I would like to extend my heartfelt greetings to all those who are involved with this publication. This publication will represent BSTI among the respective stakeholders including consumers, producers, quality controllers, importers as well as quality researchers.

Bangladesh Standards and Testing Institution (BSTI) is a single national authority to formulate National Standards in the country for maintaining the products and services quality. Standard is an inevitable part of the Quality Assurance Infrastructure of Bangladesh. An internationally recognized and accepted National Quality Infrastructure is necessary for increasing the export of local products and services.

BSTI is highly praised for its organizational performance both locally and internationally and appreciated in different international forums. I am confident that this annual report will provide the information on BSTI's activities, its achievements and future plan to the stakeholders and will be able to raise awareness among mass people on the importance and necessity of products standard.

I wish a grand success of this Annual Report.

(K M Ali Azam)

Foreword



I am very pleased to hear that, Bangladesh Standards and Testing Institution (BSTI) is going to publish its Annual Report 2019-2020 to meet the growing interest of the stakeholders as well as the development partners of BSTI. This report reflects on the institution's history, organizational structure, performance and achievement.

BSTI, the only National Standards body of Bangladesh was established in 1985 by an ordinance (Ordinance XXXVII of 1985) with the merger of Bangladesh Standards Institution (BDSI) and the Central Testing Laboratories (CTL). Later, Department of Agricultural Marketing and Grading, under the Ministry of Commerce was merged with BSTI in 1995. BSTI is entrusted with the responsibility of formulation of national standards, laboratory testing and product certification (both mandatory and voluntary). Management System Certification (MSC) and metrology service, which are the vital organs of National Quality Infrastructure (NQI).

Accreditation is one of the requirements in global free market economy in recent years. To cope with the new context BSTI has been striving to attain an international level of quality and professionalism in all its operations. BSTI had taken initiatives to get international recognition for its testing labs, product certification and management system certification. Earlier testing laboratories of BSTI namely-chemical, food, microbiological, cement and textile lab got accreditation on 161 parameters of 27 products from National Accreditation Board for Testing and Calibration Laboratories (NABL), India which expired on 2017. Thenceforth chemical, food, microbiological, cement and textile testing laboratories of BSTI got accreditation on 411 methods of 305 parameters of 35 products from Bangladesh Accreditation Board (BAB) on 31December 2017.

BSTI is the only government organization that has started awarding management system certification. Initially, the Management System Certification (MSC) schemes for ISO 9001, ISO 14001 and ISO 22000 got accreditation from Norwegian Accreditation (NA). Afterwards the Management System Certification (MSC) of BSTI got accreditation from Bangladesh Accreditation Board (BAB).

We want to expand our services to the customer's doorsteps. A number of development projects funded by Bangladesh government and development partners have been taken to achieve this objectives. Besides, BSTI has expanded its offices at divisional and districts level such as Rangpur, Mymensingh, Cumilla, Faridpur and Cox's Bazar. We have established Chemical Metrology Laboratory (CML) at NML, calibration and verification facilities of CNG mass flow meter to CNG filling station at regional level to strengthen the capacity of BSTI.

Heartfelt thanks are extended to all concerned who involved with this report. We are hopeful that the readers will find this annual report informative. Any observation, view and recommendation from the eminent readers would be highly appreciated and will consider as precious contribution towards enriching the future publication of the report.

Dr. Md. Nazrul Anwar
Director General (Grade-1)

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Chapter-1: Introduction

Vision and Mission of BSTI

Vision



To make the Institution competent with the latest technology through standardization and ensuring quality products.

মান প্রণয়ন ও মানসম্মত পণ্য প্রাপ্তি নিশ্চিতকরণে যুগোপযোগী প্রতিষ্ঠান হিসেবে রূপান্তর।

Mission



To enhance the quality of products and services up to international level and ensure accuracy in the measurement system through standardization for facilitating national and international trade.

পণ্য ও সেবার মান প্রণয়ন, গুণগতমান ও পরিমাপ নিশ্চিতকরণের নিমিত্ত সেবাসমূহকে আন্তর্জাতিক/আঞ্চলিক মানদণ্ডে উন্নীতকরণ এবং সেবা গ্রহীতাদের স্বার্থ রক্ষাক্রমে জাতীয় ও আন্তর্জাতিক বাণিজ্যে সহায়তা।

Brief History of BSTI

In 1955 in the then East Pakistan a regional branch of the Central Testing Laboratories (CTL) was set up in Dhaka to test and assess the quality of goods procured through import or produced locally. Thereafter, in 1957 the regional branch of the Pakistan Standards Institution (PSI) was established in Dhaka and in 1963 the Certification Marks Inspectorate for certifying industrial products was set up in Chittagong. In 1985 the government of Bangladesh consulted the stakeholders with a view to achieving effective results in the area of standards and conformity assessment of the products. Government

had abolished the Central Testing Laboratories and the Bangladesh Standards Institution and established a new organization, i.e. the Bangladesh Standards and Testing Institution (BSTI), entrusting with all the responsibilities of these two defunct organizations by promulgating Ordinance no. XXXVII of 1985. Before that, in 1982, in order to implement the Metric System of Weights and Measures throughout the country, the Government had promulgated The Standards of Weights and Measures Ordinance, 1982. In 1995 the department of Agriculture Grading and Marketing was abolished and merged with BSTI.

Laws Governing BSTI

- বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইন্সটিটিউশন আইন-২০১৮
- ওজন ও পরিমাপ মানদণ্ড আইন-২০১৮
- The Bangladesh Standards of Weights and Measures Rules, 1982
- বাংলাদেশ স্ট্যান্ডার্ড ওজন ও পরিমাপ (পণ্য সামগ্রী মোড়কজাতকরণ) বিধিমালা, ২০০৭
- বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইন্সটিটিউশন কর্মচারী চাকুরি প্রবিধানমালা, ১৯৮৯
- The Bangladesh Standards and Testing Institution employees (Pension and Gratuity Rules, 2002)
- বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইন্সটিটিউশন প্রবিধানমালা, ১৯৮৯
- Bangladesh Standards & Testing Institution (Management System Certification) Regulation, 2009
- The Bangladesh Standards of Weights and Measures Rules, 2006 (Amendment)

Functions of BSTI

- a.** To set up quality and dimensions of Bangladesh Standards and To prepare and promote the National Standards on national and international basis relating to materials, commodities, structures, practices and operations and to withdraw, revise, alter and amend the same from time to time;
- b.** To recommend the Government to consider formulate the Bangladesh Standards for the measurement of length, weight, mass, volume, and energy;
- c.** Initiate to promote standard, quality control, metrology and make simplification in the field of industry and commerce;
- d.** To ensure that the Bangladesh Standards formulate by the Institution are implemented/ followed by the producers and users;
- e.** To implement Bangladesh Standards through the National certification mark scheme or inspection of goods or both;
- f.** To provide or arrange facilities for examination, testing and inspection of products, system and process for any investigation, research or promotion of export and to fulfill this purpose issue test reports of any products related to relevant Bangladesh Standards ;
- g.** To certify the quality of products, materials, procedure and other things including food materials, whether for local consumption, export or import;
- h.** To co-ordinate the efforts of producers and users for the improvement of materials, products, code of practice, appliances, processes and methods, so as to eliminate the national waste of material and time involved in the production of an unnecessary variety of patterns and sizes of articles for one and the same purpose;
- i.** To establish and publish the Bangladesh Standards of any article or process or code of practice, in such a manner as may be described in regulation;
- j.** To recognize, adopt or endorse any other standards in relation to any article or process developed by other institution in Bangladesh or any foreign country, or by international organizations as Bangladesh Standards , in such manner as may be prescribed in the regulation;
- k.** To specify a Standard Mark to be called the Bangladesh Standards and Testing Institution Certification Mark which shall be of specified design and contain which may be prescribed by the regulation to represent a Bangladesh Standard;
- l.** To grant, renew, reject, suspend or cancel of license by the specified procedure prescribed in the regulation for the use of Standard Mark;
- m.** To make such inspection and take such samples of any material or substance as may be necessary to see whether any article or process in relation to which the Standard Mark has been used or proposed to be used conforms to the Bangladesh Standard or whether the Standard Mark has been improperly used in relation to any article or process with or without license;
- n.** To utilize, with the permission of the owners, the services of laboratories other than those maintained by the Institution and approve such laboratories for the purpose of the Institution;
- o.** To make arrangements, or provide facilities, for the testing and calibration of sensitive and scientific instruments, machineries and issue certificate which comply the relevant standard;
- p.** To undertake execution of any trust or any agency business which it may consider conducive to the attainment of its objectives;
- q.** To fulfill the establishment of the institution, co-operate with any person, association, or organization outside Bangladesh; and
- r.** For the purpose of export classify and mark the Agricultural products according to the Agricultural Produce Grading and Marking Act, 1937 (Act No. 1 of 1937) and relevant rules framed under the Act.
- s.** To do all such acts and things ancillary or incidental to any of the aforesaid functions.

Organs of BSTI _____

- a) BSTI Council
- b) Parliamentary Standing Committee of the Ministry of Industries
- c) The Committees
- d) The Director General and Staff

a) BSTI Council

The general direction and administration of the affairs and functions of the Institution is vested in a Council which may exercise all powers and perform all functions which may be exercised or performed by the Institution. The Council in discharging its duties is guided by such instructions as given to it by the Government from time to time.

Member List of BSTI Council

Sl.	Designation, Organization	Position in the Council	Sl.	Designation, Organization	Position in the Council
1	Honorable Minister Ministry of Industries	Chairman	2	Honorable State Minister Ministry of Industries	1 st Vice-Chairman
3	Secretary Ministry of Industries	2 nd Vice-Chairman	4	Director General Bangladesh Standards and Testing Institution (BSTI)	Member-Secretary
5	Inspector General Bangladesh Police	Member	6	Chief Editor/Managing Director Bangladesh Shangbad Sangstha	Member
7	Chief Information Officer Ministry of Information	Member	8	Chief Controller Import and Export	Member
9	Director General Bangladesh Television	Member	10	Director General Bangladesh Betar	Member
Part-1 (Member from Different Ministry/Division) (Not below the rank of Joint Secretary)					
Sl.	Name of the Ministry	Position in Council	Sl.	Name of the Ministry	Position in Council
1	Ministry of Industries	Member	2	Ministry of Agriculture	Member
3	Ministry of Fisheries & Animal Resources	Member	4	Finance Division	Member
5	Ministry of Commerce	Member	6	Ministry of Post & Telecommunication Information Technology	Member
7	Ministry of Health and Family Planning	Member	8	Ministry of Power Energy and Mineral Resources	Member
9	Legislative and Parliamentary Affairs Division	Member	10	Ministry of Information	Member
11	Ministry of Jute & Textile	Member	12	Public Security Division Ministry of Home Affairs	Member
13	Ministry of Public Administration				

Part-2 (Head of the Institution)

Sl.	Designation, Organization	Position in Council	Sl.	Designation, Organization	Position in Council
1	Chairman Bangladesh Food Safety Authority	Member	2	Director General Department of National Consumer Rights Protection	Member
3	President Federation of Bangladesh Chamber of Commerce & Industries (FBCCI)	Member	4	President Dhaka Chamber of Commerce & Industries	Member
5	President Chattogram Chamber of Commerce & Industries	Member	6	President Metropolitan Chamber of Commerce & Industries	Member
7	President Consumer Association of Bangladesh (CAB)	Member	8	President Bangladesh Chamber of Industries	Member
9	President Bangladesh Shop Owners Association	Member			Member

Part-3 (Head of the Institution)

Sl.	Designation, Organization	Position in Council	Sl.	Designation, Organization	Position in Council
1	Chairman Bangladesh Science and Industry Research Council (BSIR)	Member	2	Chairman Bangladesh Atomic Energy Commission	Member
3	Vice-Chairman Export Development Bureau	Member	4	Executive Chairman Bangladesh Agriculture Research Council (BARC)	Member
5	Vice Chancellor Bangladesh University of Engineering and Technology (BUET)	Member			



The 33rd Meeting of the BSTI Council Held on 31st December, 2019 at BSTI Conference Room. Honorable Minister, Ministry of Industries, Mr. Nurul Majid Mahmud Humayun M.P Presided the meeting. Honorable State Minister, Ministry of Industries, Mr. Kamal Ahmed Majumder M.P and Secretary, Ministry of Industries were also Present as Vice-President of the meeting. Director General of BSTI Mr. Md. Muazem Hossain Present as member secretary of the meeting.

b) Parliamentary Standing Committee of Ministry of Industries

Sl.	Name of the Honorable Member	Constituency	Designation
1	Mr. Amir Hossain Amu	126 Jhalokathi-2	Chairman
2	Mr. Nurul Majid Mahmud Humayun	Minister	Member
3	Mr. Kamal Ahmed Majumder	188 Dhaka-15	Member
4	Mr. A.K.M. Fazlul Haque	145 Sherpur-3	Member
5	Mr. Shamim Osman	207 Narayanganj-4	Member
6	Mr. Abu Reza Muhammad Nezamuddin	292 Chattogram-15	Member
7	Mr. Mohammad Shahiduzzaman	74 Meherpur-2	Member
8	Mr. Kazim Uddin Ahmed	156 Mymensingh-11	Member
9	Begum Parveen Haque Sikder	339 Women Seat-39	Member
10	Mr. Md. Shafiul Islam	183 Dhaka-10	Member

c) The Committees

There are 6 Divisional Committees and 75 Sectional Committees responsible for setting of Bangladesh Standards (BDS) Sectional (Technical) Committees.

Sectional (Technical) Committees are appointed by the Divisional Committees of BSTI, responsible for developing the Bangladesh Standards. Each consists of one Chairman and a number of experts in their respective fields drawn from various organizations.

List of Divisional and Sectional (Technical) Committees:

(1) Agricultural and Food Products Divisional Committee

1.	AFSC-1	Cereals, Pulses and their Products
2.	AFSC-2	Oil-seeds and their Products
3.	AFSC-3	Milk and Milk Products
4.	AFSC-4	Fish and Fisheries Products
5.	AFSC-5	Meat, Poultry and their Products
6.	AFSC-6	Spices and Condiments
7.	AFSC-10	Tea and Coffee
8.	AFSC-11	Sugar and Sugar Industries Products
9.	AFSC-13	Animal Feeds
10.	AFSC-15	Fruits, Vegetables and their Derived Products
11.	AFSC-16	Starch Derivatives and their by-products
12.	AFSC-17	Forest Products
13.	AFSC-18	Food Additives
14.	AFSC-20	Pesticides
15.	AFSC-21	Tobacco and Tobacco Products
16.	AFSC-22	Soft Drinks and Beverages
17.	AFSC-23	Irradiated Food Products
18.	AFSC-24	Bakery and Confectionary Products
19.	AFSC-25	Food Hygiene and Safety Management

(2) Electrical and Electronics Divisional Committee

1.	EESC-1	Transformers
2.	EESC-2	Electric Lamps and Accessories
3.	EESC-3	Switchgear and Protective Devices
4.	EESC-4	Dry Cells and Accumulators
5.	EESC-5	Electric Fans and Appliances
6.	EESC-8	Electric Wires and Cables
7.	EESC-9	Insulators and Insulating Materials
8.	EESC-10	Electronics
9.	EESC-12	Rotating Electric Machines
10.	EESC-13	Electric Measuring Instruments
11.	EESC-14	Telecommunications
12.	EESC-15	Computer and Computer Related
13.	EESC-16	Information Technology
14.	EESC-17	Conformity Assessment
15.	EESC-18	Power Electronics

(3) Chemical Divisional Committee

1.	CSC-1	Fine Chemicals
2.	CSC-2	Rubber and Plastics
3.	CSC-3	Paper, Pulp, Board and Stationery Products
4.	CSC-4	Leather, Foot ware and Leather Products
5.	CSC-5	Paints and Allied Materials

6.	CSC- 6	Glass and Ceramics
7.	CSC-7	Lubricants and Related Products
8.	CSC-8	Soap and Detergent
9.	CSC-9	Mineral, Fuels and Petroleum Products
10.	CSC-10	Cosmetics and Related Products
11.	CSC-11	Ink and Allied products
12.	CSC-12	Fertilizer and Allied Products
13.	CSC-13	Oils, Fats and Allied Products
14.	CSC-14	Adhesives

(4) Jute and Textile Divisional Committee

1.	JTSC-1	Jute Products
2.	JTSC-2	Oven and Other Textile Products
3.	JTSC-3	Raw Jute
4.	JTSC-4	Jute Mills Spares and Accessories
5.	JTSC-5	Textile Test Methods
6.	JTSC-6	Yarn, Rope, Twine and Cordage's
7.	JTSC-7	Knit and Knit Products
8.	JTSC-8	Garments Products
9.	JTSC-9	Silk Products
10.	JTSC-10	Handloom Products
11.	JTSC-11	Textile Mills Accessories
12.	JTSC-12	Capital Machineries
13.	JTSC-13	Raw Cotton and Other Natural Fibres
14.	JTSC-14	Man-Made Fibre and Products

(5) Engineering (Civil) Divisional Committee

CECSC-1	Bricks, Blocks, Tiles, Paving materials and related Products
CECSC-2	Cement and Cementing Materials
CECSC-3	Structural Steel Sections and other Products
CECSC-4	Pipe and Pipe Fittings
CECSC-5	Sanitary and Water Appliances
CECSC-6	Fire Fighting and Safety Equipment

(6) Engineering (Mechanical) Divisional Committee

1.	MESC-1	Metallic Sheet, Plate Wire and Allied Products
2.	MESC-2	Tools, Equipments and Measuring Instruments
3.	MESC-3	Security Item
4.	MESC-4	Pump, Engine and Agricultural Implements
5.	MESC-5	Specialized Products and Household Appliances
6.	MESC-6	Vehicles and Fuels
7.	MESC-7	Sports Goods



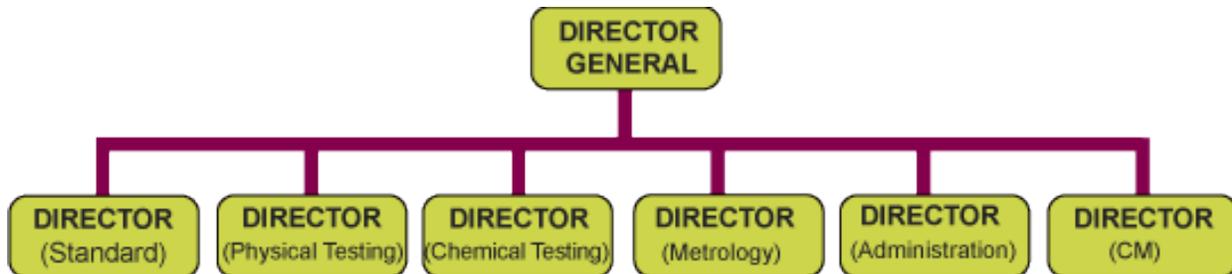
Meeting of Jute and Textile Divisional Committee



Meeting of Agriculture and Food Divisional Committee

d) The Director General and Staff

The Director General is the Chief Executive Officer of the Institution and is responsible for the proper administration of the Institution. The Director General is appointed by the Government on such terms and conditions as it may determine. BSTI performs its responsibilities through 6 (six) wings. Each wing is headed by a Director. The wings are:



There are 22 Divisions/Sections under 7 wings

No.	Wing	Division
1.	Standards Wing	a. Agriculture and Food Division
		b. Jute & Textile Division
		c. Chemical Division
		d. Electrical, Electronics and Technical Division
		e. Civil and Mechanical Engineering Division
		f. Publication and Public Relations Division
2.	Physical Testing Wing	a. Electrical and Electronics Engineering
		b. Civil, Physical and Mechanical Engineering
		c. Textile
3.	Chemical Testing Wing	a. Chemical
		b. Food and Bacteriological
4.	Certification Marks (CM) Wing	a. Certification Marks
		b. Motivation and Training
5.	Metrology Wing	a. Legal Metrology
		b. Metrology Lab and Training
		c. Industrial and Scientific Metrology
6.	Administration Wing	a. Administration
		b. Accounts & Audit
		c. Planning & Development
		d. Store
7.	Management Systems Certification (MSC) Wing	a. Document Control
		b. Internal Audit Assessment

Location of the Offices at divisions and districts level

The Headquarters of the Institution is located at Dhaka. It has 8 Divisional and 3 District Offices. Address and other details of the head office, divisional and district offices are given below:

Head Office

Bangladesh Standards & Testing Institution
Maan Bhaban
116/A, Tejgaon Industrial Area,
Dhaka-1208.

Fax : (880-2)-9131581
E-mail : bsti@bangla.net, dg@bsti.gov.bd
Website: www.bsti.gov.bd
Phone : 8870275, 8870277, 8870278, 8870279, 8870280, 8870281, 9131582.

Divisional Offices

- Divisional Metrology Inspectorate
116/A, Tejgaon Industrial Area,
Dhaka-1208.
Phone : 8870300
Fax: 88 02 8870676
E-mail: bsti_dmi@bangla.net
- BSTI Divisional Office, Rajshahi
Bypass Road, Nawdapara, Sapura, Rajshahi.
Phone : 0721-861397, 0721-561398
E-mail: bsti_raj@yahoo.com
- BSTI Divisional Office, Chattogram
Jamburi Ground, Agrabad, Chattogram
Phone: 031-710695, 031-721137
E-mail: bsti_ctg@bnsibd.net
- BSTI Divisional Office, Barishal
BSCIC Industrial Park, Kaunia, Barishal.
Phone: 0431-65176
E-mail: bsti_barisal@gmail.com
- BSTI Divisional Office, Khulna
62, Old Jessore Road, Khalishpur, Khulna
Phone: 041-762152, 041-761542
E-mail: bsti_khulna@yahoo.com
- BSTI Divisional Office, Sylhet
BSCIC Industrial Park,
Khadimnagar, Sylhet.
Phone: 0821-2870935.
E-mail: bsti_sylhet@gmail.com
- BSTI Divisional Office, Rangpur
House No-46/2, Road No-01
Porjoton Purbapara
Post- Sadar, Rangpur-5400
Phone: 0521-56661
E-mail: bstirangpur@gmail.com
- BSTI Divisional Office, Mymensingh
Kismot, Rahmotpur Sadar, Mymensingh.
Phone: 01711160811
E-mail: bstimymensingh@gmail.com

District Offices

- BSTI District Office, Cumilla
Holding No.21/1, Ward No-23
DhanpurKotbari Road
Cumilla-3502.
Phone: 01739258278
E-mail: bsticomilla@gmail.com
- BSTI District Office, Faridpur
BSCIC Industrial Area, Kanaipur
Faridpur-7801.
Phone: 01712000079
E-mail: bsti.faridpur@gmail.com
- BSTI District Office, Bogura
Old UpazilaBhaban
Kaigary, Bogura
Phone: 05164888
E-mail: bogura@bsti.bd
- BSTI District Office, Cox's Bazar
Plot: 4-5, New Circuit House Road
Cox's bazar
Phone: 02-51060137
E-mail: bsticox@gmail.com

Chapter-2
Wings of BSTI and Their Functions

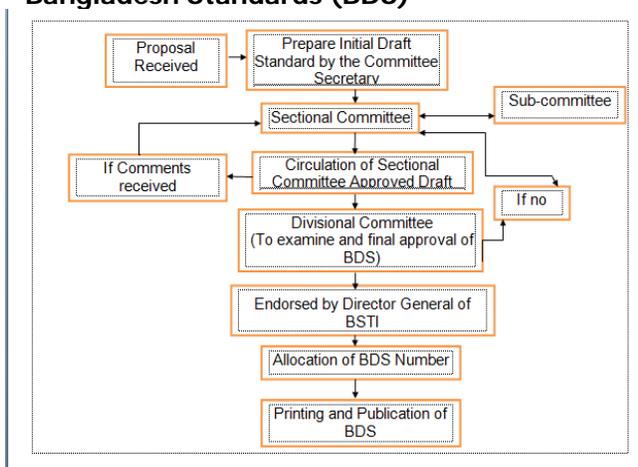
Standards Wing

Standards Wing is responsible for development of standards on consensus based approach through its Sectional (Technical) and Divisional Committees. Apart from development of national standards, emphasis is laid also on periodic review of standards to keep them at par with modern technologies. Majority of these standards are harmonized from International Standards. So far BSTI has formulated 3,900 standards till June 2020. Approximately 59% of the existing Bangladesh Standards (BDS) have been harmonized with International and Regional Standards (ISO, IEC, CAC, EN etc.) to facilitate acceptance of Bangladeshi products in the International Market.

1. Standard

Document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context.

2. Flow Chart for the Development of Bangladesh Standards (BDS)



3. Standards Development Committee

There are 75 Sectional (Technical) Committees under 6 Divisional Committees have been assigned to perform the Standard development process. There are also two National Committees; such as National Codex Committee (NCC) and IEC National Committee of Bangladesh. These committees comprise stakeholders mainly from industries, research organizations, trade bodies, academic institutions, consumer association, testing laboratories and the government agencies.



Meeting of the Standards Technical Committee.

4. Library, Documentation and Technical Information

BSTI Library has a vast wealth of documents. Library, documentation and technical information Centrally collects standards, documents and other technical publications from home and abroad. A lot of reference books, administrative books, periodical handbooks, dictionaries, glossaries; encyclopedias, related Gazette and other rules and regulations published by Bangladesh Government are stored in this library. Standards of ISO, IEC, OIML and CODEX are also stored in the library. Besides these, Standards from India (IS), United States of America (ANSI & ASTM), United Kingdom (BS), Australia (AS), Germany (DIN), Japan (JIS), Republic of Korea (KS), Malaysia (MS), New Zealand (NZ), Pakistan (PS), Saudi Arabia (SAS), Singapore (SS), Sri-Lanka (SLS), Thailand (TIS) and many other countries are available in BSTI library.

BSTI personnel, public and private sector organizations, persons carrying out academic and scientific research, students and other parties related to standards and standardization activities have free access to the library.

5. Participation in Regional and International Standardization Activities

As a member body of ISO, BSTI participate in ISO international standardization activities. Currently, BSTI is Participating Member of 5 ISO committees and Observing Member of 22 ISO committees. Director (standards) was attended the 7th Meeting of TMB & 8th Meeting of GB of SARSO held on 04-06 November, 2019 in Dhaka, Bangladesh. Recently BSTI achieved IEC Membership. A decision has been made for BSTI to participate in 'IEC TC 20 Electric cables as P Member'.

Memorandum of Understanding (MoU) between Bangladesh and Nepal

Memorandum of Understanding (MoU) has been signed on 6th March, 2020 between Bangladesh Standards and Testing Institution (BSTI) and Department of Food Technology and Quality Control (DFTQC), Nepal.



Signing ceremony of Memorandum of Understanding (MoU) between Bangladesh Standards and Testing Institution (BSTI) and Department of Food Technology And Quality Control (DFTQC), Nepal in Dhaka. Director General of BSTI Mr. Md. Muazzem Hossain and Director General of DFTQC Mrs. Matina Joshi Baidya signed the MoU.

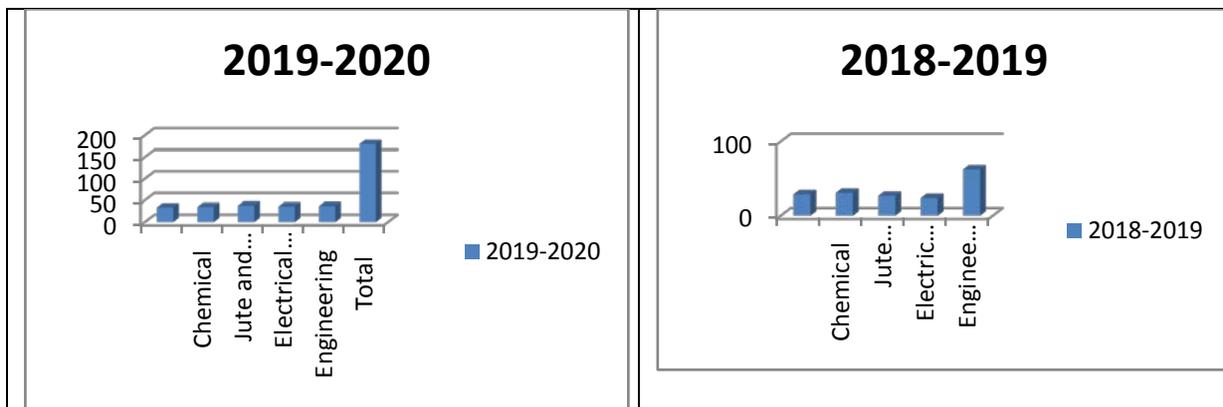
6. Agreement/MoU/TCP with other NSBs

Type of Agreement	NSBs/Countries	Title of the MoU/Agreement
Memorandum of Understanding (MoU)	Bureau of Indian Standards (BIS), India	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Bureau of Indian Standards (BIS).
Bilateral Cooperation Agreement (BCA)	Bureau of Indian Standards (BIS), India	Agreement between Bangladesh Standards and Testing Institution and Bureau of Indian Standards in the field of Standardization and Conformity Assessment.
Technical Cooperation Program (TCP)	Saudi Standards, Metrology and Quality Organization (SASO), Kingdom of Saudi Arabia	Technical Cooperation Program between the Saudi Standards, Metrology and Quality Organization (SASO) and Bangladesh Standards and Testing Institution (BSTI).

Type of Agreement	NSBs/Countries	Title of the MoU/Agreement
Memorandum of Understanding (MoU)	Nepal Bureau of Standards and Metrology (NBSM), Nepal	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Nepal Bureau of Standards and Metrology (NBSM).
Memorandum of Understanding (MoU)	Bhutan Standards Bureau (BSB), Bhutan	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and Bhutan Standards Bureau (BSB).
Memorandum of Understanding (MoU)	Sri Lanka Standards Institution (SLSI)	Memorandum of Understanding (MoU) between Bangladesh Standards and Testing Institution (BSTI) and the Sri Lanka Standards Institution (SLSI) on Technical Cooperation.
Memorandum of Understanding (MoU)	Turkish Standards Institution (TSE), Republic of Turkey	Memorandum of Understanding (MoU) between the Bangladesh Standards and Testing Institution (BSTI), the People's Republic of Bangladesh and the Turkish Standards Institution (TSE), the Republic of Turkey.
Memorandum of Understanding (MoU)	ASTM International, USA	Bangladesh Standards and Testing Institution (BSTI), the People's Republic of Bangladesh and the ASTM International, USA.
Memorandum of Understanding (MoU)	Standardization Administration of China (SAC), People's Republic of China	Bangladesh Standards and Testing Institution (BSTI), the People's Republic of Bangladesh and Administration of China, People's Republic of China.
Memorandum of Understanding (MoU)	DFTQC, Nepal	Memorandum of Understanding between Bangladesh Standards and Testing Institution (BSTI) and DFTQC, Nepal.

Statistics of Bangladesh Standards (BDS) formulation (July 2019-June 2020)

SL.	Activities	2017-2018	2018-2019	2019-2020
1	Agriculture and Food	33	29	34
2	Chemical	26	31	35
3	Jute and Textile	34	27	38
4	Electrical and Electronics	28	24	36
5	Engineering	40	62	37
	Total	161	173	180



Physical Testing Wing

Physical Testing Wing consists of 3 (three) Divisions as:

- 1) Civil, Physical and Mechanical Engineering Division.
- 2) Electrical, Electronics and Engineering Division.
- 3) Textile Division.

1.1 Civil, Physical and Mechanical Engineering Division:

It performs the functions through the following laboratories:

- a) Cement Testing Laboratory
- b) Brick Testing Laboratory
- c) Mechanical Engineering Laboratory
- d) Tiles Testing Laboratory
- e) Safety Razor Blade Testing Laboratory
- f) Paper Testing Laboratory
- g) Hydraulic Pressure Testing Laboratory



Cement Testing Laboratory



Mechanical Engineering Laboratory

Name of the modern testing equipments added in physical labs:

- Compression Testing Machine, Cap:1500kN
- Automatic Mixer Machine
- Jolting Machine with Four Set Moulds
- Paper Tensile Testing Machine. Cap: 30kg
- Hydraulic Pressure Testing Machine Cap: 2000 psi & 10 MPa

- Universal Tensile Testing Machine, Cap:1000kN& 50Tons
- Compression Testing Machine, Cap. 2000kN
- Compression Testing Machine, Cap. 250 kN
- Air Permeability Testing Apparatus for Paper
- Vibrating Machine for Cement
- Humidity & Temperature Control Cabinet
- Planetary Mixer
- Vicat Needle Apparatus
- De-humidifier
- Paper Bursting Testing Machine
- Rockwell Hardness Testing Machine
- Breaking Strength Testing Machine for Tiles
- Abrasion Testing Machine for Tiles
- Tensile Strength Testing Machine for Rubber
- Paper Roughness Testing Machine
- Vicker Hardness Testing and
- Bevel Angle Testing Machine for Safety Razor Blade.

1.2 Electrical, Electronics and Engineering Division:

Electrical, Electronics and Engineering Division performs the functions through the following laboratories:

a) Air Conditioner Testing Laboratory:

This Laboratory can analyze various technical features of Air Conditioners with Air-Enthalpy Method by means of measuring the air temperature, air flow, pressure and electric parameter of the tested unit to testing cooling capacity & heating capacity. The split type, cassette type, window type, cabinet type Air Conditioner can be tested in this lab. System has the functions of semi-auto working condition control, auto testing, recording and auto-made & printing test report.

b) Refrigerator Testing Laboratory

The purpose of this laboratory is to test different type of refrigerator. The laboratory has 4 stations in its chamber to test 4 refrigerators at a time.

c) Motor Testing Laboratory

The purpose of this laboratory is to test Electric AC motors performance both of single-phase and three-phase.

d) Fan Testing Laboratory

This Laboratory can analyze various technical features of electric fan as per BDS 818:2006 & BDS 1860:2012. The Laboratory has Multi-

Channel Air Flow measuring device, Which can perform simultaneous measurement of air velocity, temperature and humidity in real-time at 32 positions using USB based sensors.



Fan Testing Laboratory

e) Energy Meter Testing Laboratory

Energy Meter Testing Laboratory has computerized automatic digital single phase AC energy meter test benches to test Electro mechanical meter, Static watt hour meter and Pre-paid meter of different classes.

f) L.A.S Battery Testing Laboratory

This Laboratory has Battery cycle life tester, Discharge capacity tester, Reserve capacity tester, Multi channels formation equipment and High rate discharger. This Laboratory having automatic Charging and discharging facilities can test different type of LAS Battery, Solar Battery and EV Battery.

g) Cable Testing Laboratory

Cable Testing Lab is well equipped with modern instrument to test different kind of cable such as PVC insulated cable, Flexible cord, Power cable, XLPE cable, AAC and ACSR.

h) Lighting Product Testing Laboratory

All kind of Tubular fluorescent lamp, Compact fluorescent lamp, Incandescent lamp, LED light, Neon light, Halogen light, LED Street light, Electronic ballast & magnetic ballast are tested in this laboratory.

i) Super Enameled Copper Wire Testing Laboratory

Super enameled copper wires those are use in electric motor, Transformer, Ceiling fan are tested in this laboratory.

j) Bakelite Testing Laboratory

Switch, Plug, Socket, and Ceiling Roses are tested in this laboratory.

k) Transformer Testing Laboratory

Single Phase Transformer and Three Phase Transformer are tested in this laboratory.

The following other electrical products are also tested in BSTI:

Dry cell battery, Watch battery, LT & HT cable, Porcelain insulator, Electric line materials (Transmission & distribution), Circuit breaker, Meter box, Electric iron etc.

1.3 Textile Testing Division

It performs the functions through the following laboratories:

1. Textile Mechanical Laboratory.
2. Textile Chemical Laboratory.

Accredited Textile Testing laboratory:

The Textile and Garments sectors are the major foreign currency earning sectors in Bangladesh. BSTI has established well-equipped modern textile laboratory. BSTI Textile Laboratory achieved accreditation from BAB (Bangladesh Accreditation Board), Bangladesh as per ISO 17025. Fibre, yarn, fabrics, garments and textile accessories etc. are being tested in this laboratory.

Modern Laboratory Equipment and Machineries

List of some modern laboratory equipments of Textile Testing Laboratory of BSTI.

- Gas Chromatograph Mass Spectrometer (GCMS)
- High Performance Liquid Chromatograph (HPLC) with Mass Spectrometer (MS) Detector
- Electrolux Wascator
- Launderoeter
- Perspirometer
- AATCC Spray Tester
- Crease Recovery Tester
- Martindale Abrasion Tester
- Pilling Box
- Tensile Strength Testing Machine (Tinius Olsen)
- Tear Strength Tester
- Bursting Strength Tester
- Crock Meter
- Electronic Twist Tester



Refrigerator Testing Laboratories

1.4 Activities of Physical Testing Wing

Sl. No.	Activities	2017-2018	2018-2019	2019-2020
1.	Electric Energy Meter tested	718600 Nos	548900 Nos	491200 Nos
2.	a) Civil, Physical & Mechanical samples tested b) Electrical samples tested c) Textile samples tested	5871 Nos	8508 Nos	8001Nos
3.	Revenue Income (in lac)	Tk. 365.66	Tk. 421.76	Tk. 409.14

Chemical Testing Wing

BSTI Chemical Laboratory is a leading testing organization in Bangladesh, established in 1955. It has an enviable track record of serving several market leaders across the globe. The Functions of Chemical Testing Wing is to ensure the quality of Food, Agricultural products, Organic and Inorganic Industrial products produced locally/imported by testing with modern equipments as per National and International Standards.

Chemical testing wing consists of two divisions, These are

1. Food and Bacteriology Division
2. Chemical Division

The sources of the sample are given below:

- ❖ Samples of compulsory items under Certification Marks Scheme, BSTI;
- ❖ Samples received from Govt. Semi Govt. & Autonomous Bodies;
- ❖ Finished products & raw material of the products of various industries;
- ❖ Import & Exportable items;
- ❖ Sample received from Department of Police/CID/DB/SB/Customs;
- ❖ Sample collected by surveillance team from open market to ensure the quality of the products;
- ❖ Sample received from mobile courts in connection with arbitration of case on disputes of quality;
- ❖ Samples seized by the Police/RAB;
- ❖ Sample received from individuals or Private sector.

1.1 Food and Bacteriology Division

The Food & Bacteriology Divisions perform the tests through the following laboratories:

Cereal and Bakery Products Laboratories

Test Items: Biscuits, Chanachur, Noodles, Instant Noodles, White Bread, LachsaShemai, Cake, Muri etc.

Processed Fruits Products and Fruit Drinks Laboratories



Test Items: Fruit Juice, Fruits Drinks, Jam, Jelly, Marmalade, Pickles, Sauce, Tomato ketchup, Tomato paste, Chutney, Fruit squash, Fruit syrup, Fruit cordial, Edible jell etc.

Water and Beverages Laboratories

Test Items: Water, Carbonated beverage, Tea, Lozenges, Sugar, Honey, Soft drink powder, Dextrose monohydrates etc.

Microbiological Laboratories



Test Items: Fruit juice, Fruits drinks, Tomato ketchup, Tomato paste, Chutney, Fruit squash, Fruit syrup, Fruit cordial, Edible jell, Water, carbonated Beverage, Soft drink powder, Skin cream, Skin powder, Shampoo etc.

Oils and Fats Products Laboratories



Test Items: Fortified soybean oil, Mustard oil, Fortified palm oil, Fortified palm olein, Rice bran oil, Sunflower oil, Black seed oil, Banaspati etc.

Spices and Condiments Laboratories

Test Items: Chillis (Whole & Ground), Turmeric powder, Coriander powder, Cumin powder, Suji, Atta, Maida etc.

Milk and Milk Products Laboratories

Test Items: Pasteurized milk, Toffees, yoghurt & Sweetened yoghurt, Ice-cream, Whole milk powder & Skimmed milk powder, Infant formula, Butter oil, Ghee etc.



Instrumental Laboratories

Instrumental Laboratories

- AAS and GC Lab
- GC-MS Lab
- HPLC Lab
- LC MSMS Lab
- GC MSMS Lab



Liquid Chromatograph Laboratory



Atomic Absorption Spectrophotometer (AAS)

Accreditation status of Food & Bacteriology Division

Food and Bacteriological Divisions acquired Accreditation as per ISO/IEC 17025:2005 by National Accreditation Board for Testing and Calibration Laboratories (NABL), India since 18 March, 2011. At present 271 parameters of 28 Food products are accredited from Bangladesh Accreditation Board (BAB).

Accredited Laboratories are:

- I. Cereal and bakery lab.
- II. Processed fruit products and fruit drinks lab.
- III. Water and beverages lab.
- IV. Oils and Fats Lab.
- V. Microbiological lab.
- VI. Instrumental lab. (AAS and HPLC)

1.2 Chemical Division

Chemical Divisions perform the tests through the following laboratories.

- **Soap and detergent lab.**

Test Items: Toilet soap, Laundry soap, Carbolic soap, Synthetic detergent powder and Shampoo

- **Cosmetic products lab.**

Test Items: Skin Cream, After Shaving Lotion, Lipstick, Shaving Cream, Hair oil, Skin and Face Powder, Coconut oil

- **Ceramic products lab.**

Test Items: Ceramic tableware, Tiles, Tableware made of Melamine Moulding Compound etc.

- **Gold testing laboratories**



Gold Testing Lab EDXRF Machine

Test Items: Ornaments and Medal made of Gold, Silver, Bronze etc.

Paper and pulp laboratories

Test Items: Stencil Paper, Writing and Printing Paper, Newsprint Paper, Security Paper, Carbon Paper etc.

- **Leather products laboratories**

Test Items: Leather Products, Shoe Polish etc.

Petrol and Petroleum Products lab.



Auto Distillation for Petroleum Products

Test Items: Unleaded Motor Gasoline Premium (Octane) Unleaded Motor Gasoline regular (Petrol), Hi Speed Diesel

Accreditation status of Chemical division

Cement, M.S Rod and Soap under Chemical Divisions acquired Accreditation as per ISO/IEC 17025:2005 from National Accreditation Board for Testing and Calibration Laboratories (NABL), India since 18 March, 2011.

At present 21 parameters of 04 Chemical products are accredited from Bangladesh Accreditation Board (BAB).

Accredited Chemical Laboratories are:

- I. Soap and Detergent Lab.
- II. Building materials Lab.

Building materials Laboratories



Test Items: MS Rod, GP Sheet and CGS Sheet Cement



Gold Testing (EDXRF) Laboratory and Atomic Absorption Spectrophotometer Laboratory



1.3 Activities of Chemical Testing Wing

SI No	Activities	2017-2018	2018-2019	2019-2020
1	Number of Tested Food Commodities, Organic Commodities and Inorganic Commodities	18869	22594	22703
2	Revenue Income (in lac Tk.)	1144.52	1494.82	1875.48

Metrology Wing

1.1 Fields of Metrology

(i) Legal Metrology (ii) Industrial Metrology and (iii) Scientific Metrology.

(i) **Legal Metrology:** Legal metrology is one of the major parts of metrology. It is the practice and the process of applying regulatory structure and enforcement to metrology. The international organization of legal metrology (OIML) explains legal metrology more briefly that-Legal metrology is the application of legal requirements to measurements and measuring instruments.

(ii) **Industrial Metrology:** Applied, technical or industrial metrology is concerned with the application of measurement to manufacturing and other processes and their use in society, ensuring the suitability of measurement instruments, their calibration and quality control.

(iii) **Scientific metrology:** Scientific metrology is concerned with the establishment of units of measurement, the development of new measurement methods, the realization of measurement standards, and the transfer of traceability from these standards to users in a society. This type of metrology is considered the top level of metrology which strives for the highest degree of accuracy.

1.2 Metrology Activities

Presently, the Bangladesh Standards and Testing Institution (BSTI) has been maintaining Reference and Secondary Standards of mass, length and volume. These standards of mass, length and volume are being used for verification of weights and measures and for calibrating weighing and measuring equipment.

There are eight divisional offices Chattogram, Rajshahi, Khulna, Barishal, Sylhet and Rangpur. Headquarters located at Dhaka. Four district offices located at Cox'sbazar, Faridpur, Cumilla and Bogura with metrology laboratories.

These laboratories are equipped with working standards of weights and measures used for verification and re-verification of commercial weights and measures. Three Regional Calibration Laboratory (RCL) are established at Dhaka, Chattogram and Khulna offices.

of Tk. 3200 lac under a TA Project "Quality Management System and Conformity Assessment Activity for Bangladesh Quality Support

1.3 New venture of Metrology services

Verification of CNG dispensing unit will be introduced very soon for protection of customer rights of Compressed Natural Gas (CNG) user. BSTI Metrology Wing going to start verification & stamping of CNG master meter as per decision of the 31st council meeting held on 12.09.2017.

The Government of the Peoples Republic of Bangladesh has promulgated the 'LPG Bottling Plant Establishment Policy, 2016' vide notification No 28.00.0000.027.38. 006. 16-177 dated 10 May, 2016. According to the section No 3.6 of said policy, it is mandatory to take approval from BSTI for establishment and running of 'LPG Bottling Plant'.

1.4 National Metrology Laboratory (NML)

In general, every country has a National Metrology Institute/Laboratory (NML), which is responsible for the development and maintenance of the national measurement standards in physical and chemical quantities irrespective of whether these standards physically have the highest achievable accuracy (primary standards), when they are declared as the national measurement standard of a nation, they represent the countries measurement capability. It is the apex laboratory of a country.

Calibration activities are also an essential part of the national metrology system as well as the national quality system. The National Metrology Laboratory is the national custodian of reference standards and as such it must obtain, conserve, develop and disseminate the basic measurement units and the highest level of calibration standards. It provides traceability to the national system and it ensures that international technical guidelines are followed for metrological performance for measuring instruments subject to legal controls. From the point of view of manufacturers it ensures that their products meet international specifications for metrological performance and testing.

The National Metrology Laboratory (NML-BSTI) of Bangladesh was established in 2009 with cost

- to the network of private and public sector calibration laboratories,
- To provide traceability to the International

Programme” (Post MFA), with the financial and technical support of EU, UNIDO and NORAD. The NML-BSTI started its operations in 2009 and it was formally inaugurated by the then Honorable Minister, Mr. Dilip Barua, Ministry of Industries and Dr. Kandeh K. Yumkela, Director General, UNIDO on 6th June, 2010.

There are six laboratories in the National Metrology Laboratory. These are as follows:

- Mass Measurement Laboratory
- Length & Dimension at Measurement Laboratory
- Temperature Measurement Laboratory
- Volume, Viscosity and Density Measurement Laboratory
- Electrical, Time & Frequency Measurement Laboratory
- Force and Pressure Laboratory.

Project Proposal/Future Plan: To establish primary standard and expand the calibration facilities in the field of Mass, Balance, Temperature, Length, Force, Pressure, Time & frequency, Electrical parameter a Development Project Proposal (DPP) has been listed in the unapproved project. Under the project “Upgradation and expansion of National Metrology Laboratory (NML), BSTI”, some precision equipment including highest level of measurement standard of SI units will be established. In 2013 all the above six laboratories of NML-BSTI achieved accreditation by Norwegian Accreditation (NA) and Bangladesh Accreditation Board (BAB).

BSTI has started activities for issuing license to newly establishment LPG Bottling Plant. For this reason BSTI Council has given approval of fees for issuing license to the LPG Bottling Plant in 31st, meeting which was held on 12.09.2017. The same fees is applicable in case of LNG Bottling Plant also.

Main Activities:

It is the primary national metrology laboratory; as such it develops national measurement standards and disseminates their accuracy to industry and other users in the country.

- To establish and maintain the national measurement system, giving technical support

- System of Units (SI) to the national system,
- It offers technical support to industry in matters related to measurements, reference materials, calibrations and data to establish traceability of their measurements,
- To participate in modernization and technology transfer between academia, industry and government, contributing to the advancement of the scientific and technical infrastructure required by industry to compete in the present global markets, To support the development of reference standards and of the national measurement system,
- To facilitate international harmonization and compatibility of measurements,
- It represents the country in the Regional Metrology Organization (RMO) and the world wide metrology system coordinated by BIPM,
- To participate in internationally organized inter-comparison measurements,



Measurement standards on length and dimension



Measurement standards on force and pressure



Measurement Standards on Mass



Measurement Standards on Electrical, Time and Frequency.

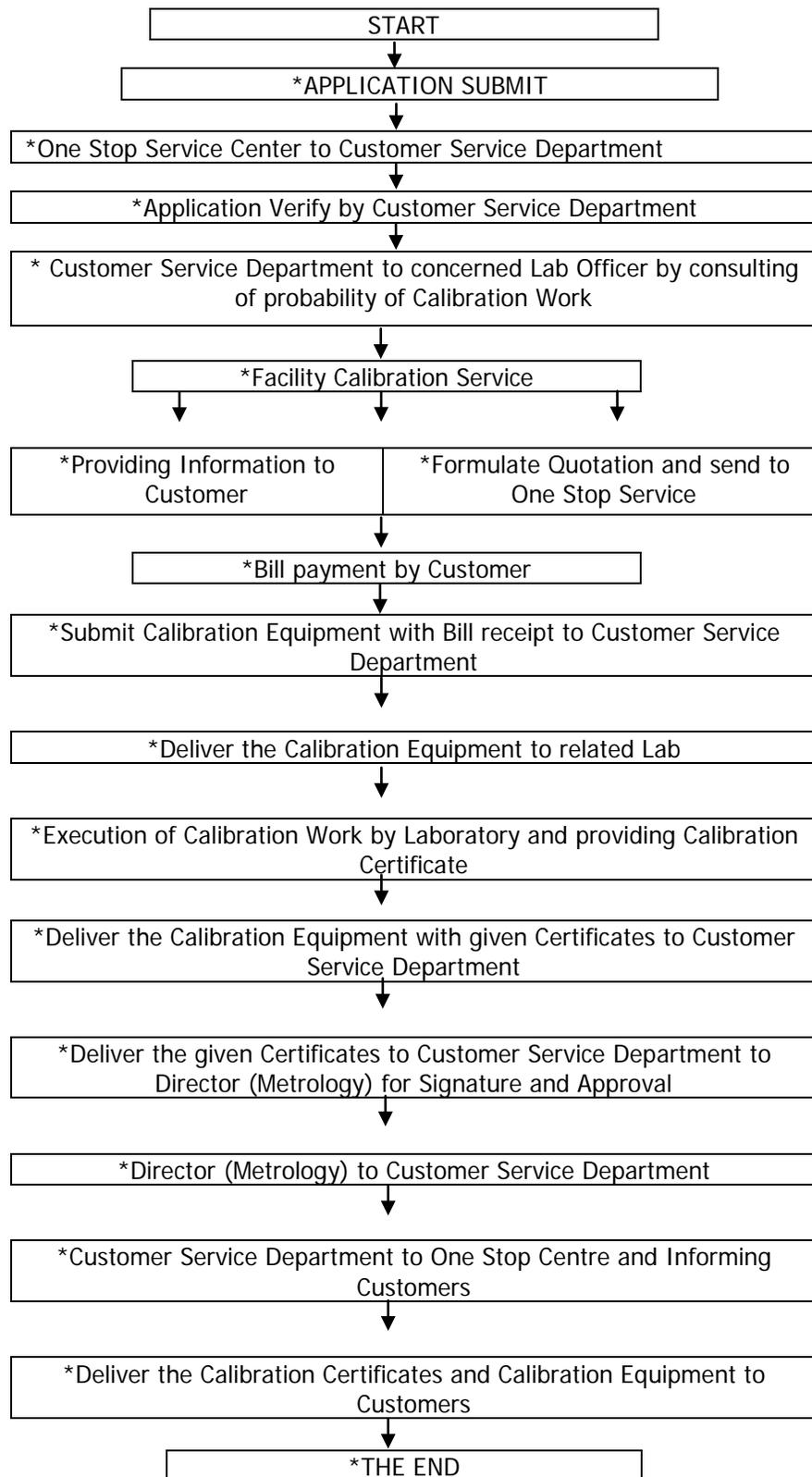
1.5 Accredited Scope of NML-BSTI Calibration Services

Field/ Parameter	Quantity/ Instrument	Measurement Range	Expanded Uncertainty (k=2)
Mass	Mass Standard	1-100 mg	0.003 - 0.005 mg
	Mass Standard	0.1 – 1 g	0.005 - 0.010 mg
	Mass Standard	1 – 10 g	0.010 - 0.020 mg
	Mass Standard	10-100 g	0.020 -0.050 mg
	Mass Standard	100 g – 1 kg	0.050 -0.5 mg
	Mass Standard	1 kg – 10 kg	0.5 -5 mg
Volume	Glassware – Flasks, pipettes, burettes, measuring cylinders, pycnometers, Beaker	1 – 500 ml	0.002-0.3 ml
	Micropipette	1 µl– 10 ml	0.1 µl– 20 µl
Temperature	Liquid in glass thermometer	0-200 °C	0.1 °C
	Temperature sensors with display unit	-50 to +250 °C	0.1 °C
Length	Engineers tape measure	0-10 m	0.12 mm
	Engineer steel rule	0-1500 mm	0.1 mm
	Dial Gauge	0-100 mm	1µm for LC-0.001mm 6µm for LC-0.01mm
	Height Gauge, Vernier Caliper	0-600 mm	10µm for LC-0.01mm 14µm for LC-0.02mm 30µm for LC-0.05mm
	Micrometer	0-600 mm	0.6µm for LC-0.0001mm 1µm for LC-0.001mm 4µm for LC-0.01mm
	Gauge Block	1-100 mm	0.09 - 0.17µm
	Feeler Gauge	Up to 1.0mm	2.5µm
Balance	Weighing Instruments	0-220 g	0.1 mg
	Weighing Instruments	220g-1.2 kg	0.01 g
	Weighing Instruments	1.2-500 kg	30 mg-5 g
Pressure	Gas medium	1.5 – 40 kPa	0.1 kPa
	Liquid medium	0.1 – 100 MPa	2 kPa
Time and Frequency	Time difference meter	600 – 100000 s	1 s

* Balance calibrations are preferably performed where the balance is used (in situ).

* Temperature installations include fridges, freezers, autoclaves, incubators, ovens and liquid baths (calibrations at customer's premises)

1.6 Process flow chart of NML-BSTI (Metrology) Calibration Services:



1.7 Activistes of Legal Metrology

Sl.	Activities	2019-2020	
		Target	Achievement
1	Mobile courts		
	Number of mobile courts conducted	656	363
	Cases instituted in mobile courts		663
	Fine realized (Million Taka)		8.2408
2	Squad/Surveillance Team		
	Squad/special teams of BSTI operated in markets & trades	419	573
	Cases instituted in regular courts	-	628
3	Surveillance in petrol pump	140	257
	Cases instituted in regular courts	-	158
4	Surveillance in Cloths	52	50
	Cases instituted in regular courts	-	48
5	Surveillance in Jewellery	36	42
	Cases instituted in regular courts	-	28
6	Registration license of Package Commodities for using "b" logo (mark)	2400	1963
7	License of different organizations for newly establishment LPG Bottling plant	3	11
8	Calibration of Weights and Measuring instruments used in different Organizations and Testing Laboratories	1600	1760
9	Verification of Weights and Measuring instruments used in different market and trades	433710	789022
10	Organize 2 training programme of fuel dispenser on legal metrology. At participants 27 officers from different Divisional and District offices.	2	2

Metrology related Mobile Courts



1.8 Membership of Regional and International Metrology Organization

- International Bureau of Weights and Measures (BIPM).
- International Organization of Legal Metrology (OIML).
- Member of the Asia Pacific Metrology Programme (APMP).
- Signatory of the CIPM Mutual Recognition Arrangement (MRA) among National Metrology Institute (NMI).

1.9 Training

1	Organize 2 training programme for 35 staffs working in Testing and Calibration Laboratories 24 different organizations to prepare them for getting Laboratory Accreditation.	4	2
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Main Activities of Metrology Wing, BSTI during 2019-2020

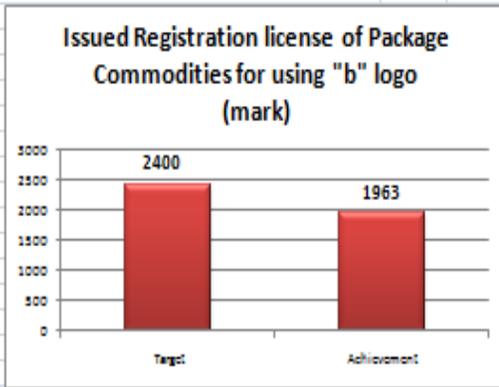
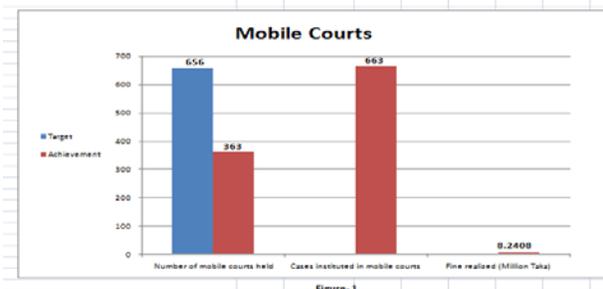
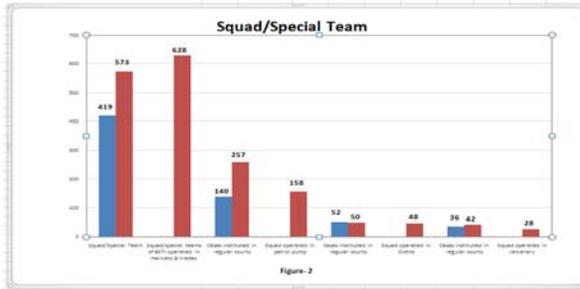


Figure-3

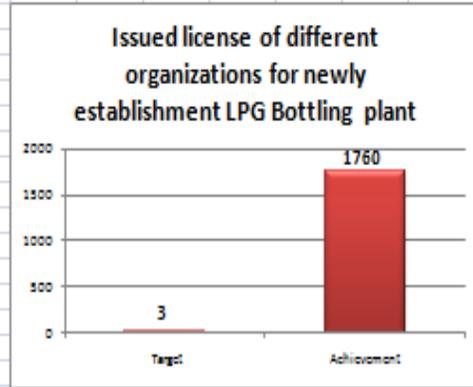


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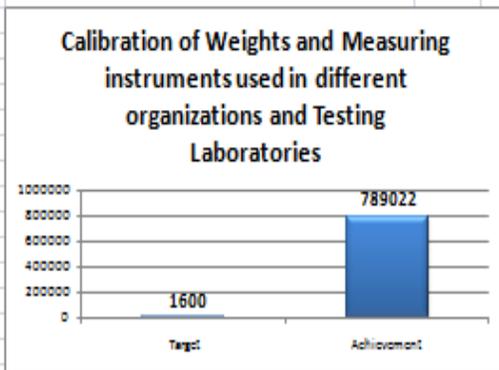


Figure-5

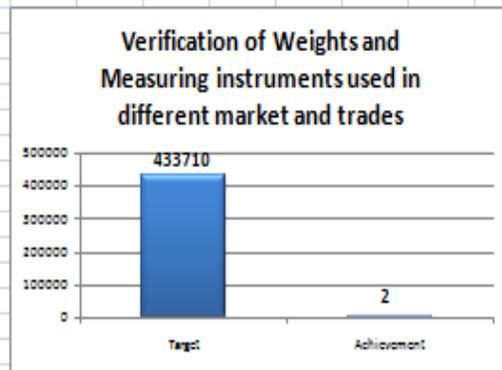


Figure-6

Certification Marks (CM) Wing

The Certification Marks Wing is responsible to ensure the quality of products as per Bangladesh Standards (BDS). For this purpose CM wing conducts inspection of factories, surveillance, sampling of products, issuing clearance certificate of imported products under Import Policy Order of Government and mobile court throughout the country. Its functions also include issuing license to products, renewal, cancellation and suspension in case of violation of condition of license.

1.1 Procedure of Certification Marks License

a. Submission of Application: Any producer/packer/contract manufacturer intending to use of Standard Mark of BSTI in relation to any product or article produced or packed by them in their premises, shall apply for Mandatory (181) or Voluntary individual products to the Institution for obtaining CM License in a prescribed form including required documents with application fee.

b. Application Review and Inspection: After receiving the application a factory inspection conduct by Field Officer (CM) taking approval from the authority. During inspection of factory, Field Officer the following information in prescribe form:

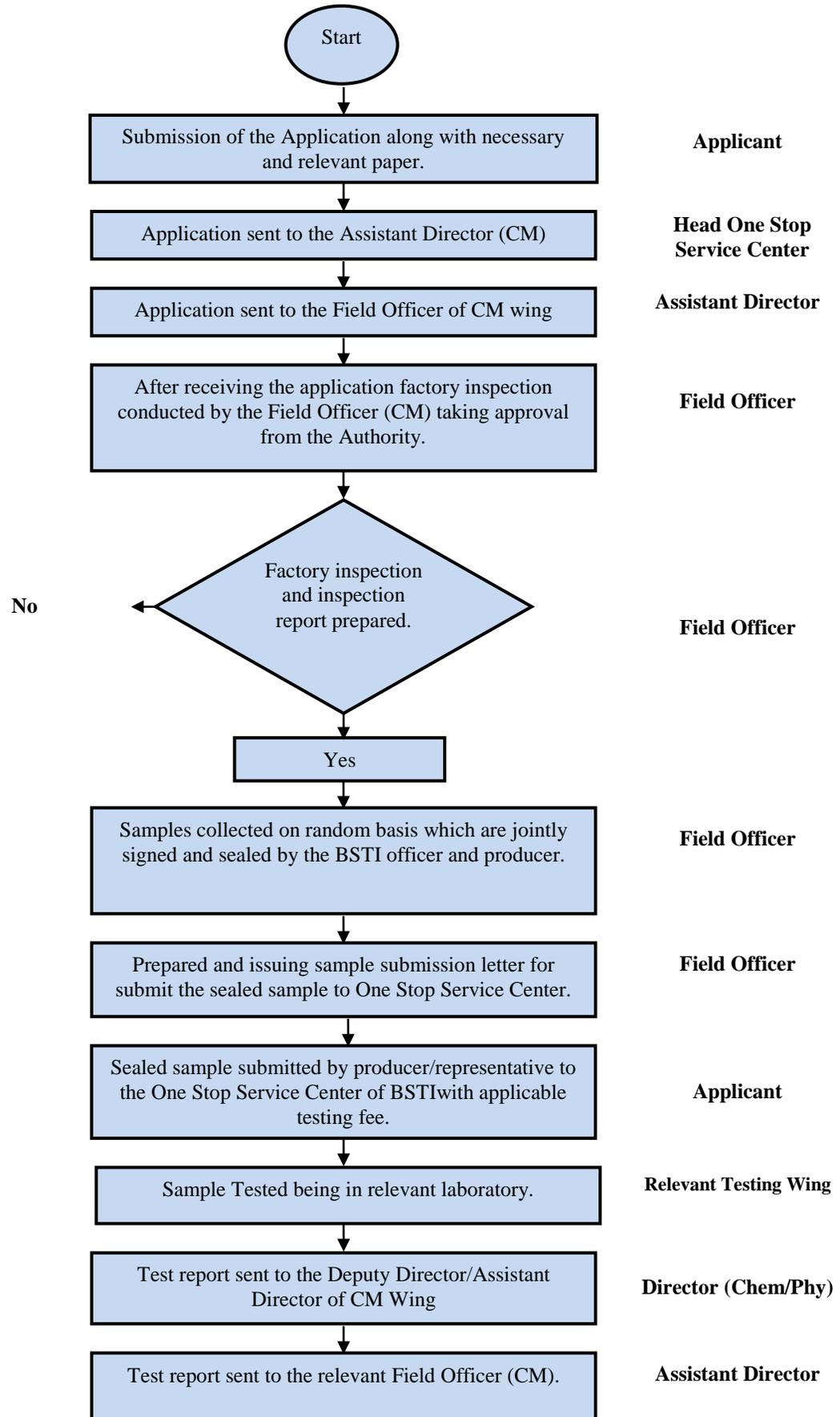
- a. General information.
- b. About raw materials.
- c. Manufacturing process.
- d. Packing and marking.
- e. Laboratory and inspection procedure.
- f. Sampling methods.
- g. Testing facilities available as per Bangladesh Standard.
- h. Storage facilities.
- i. Details of the personnel engaged in production & quality control.
- k. About GMP & GHP.

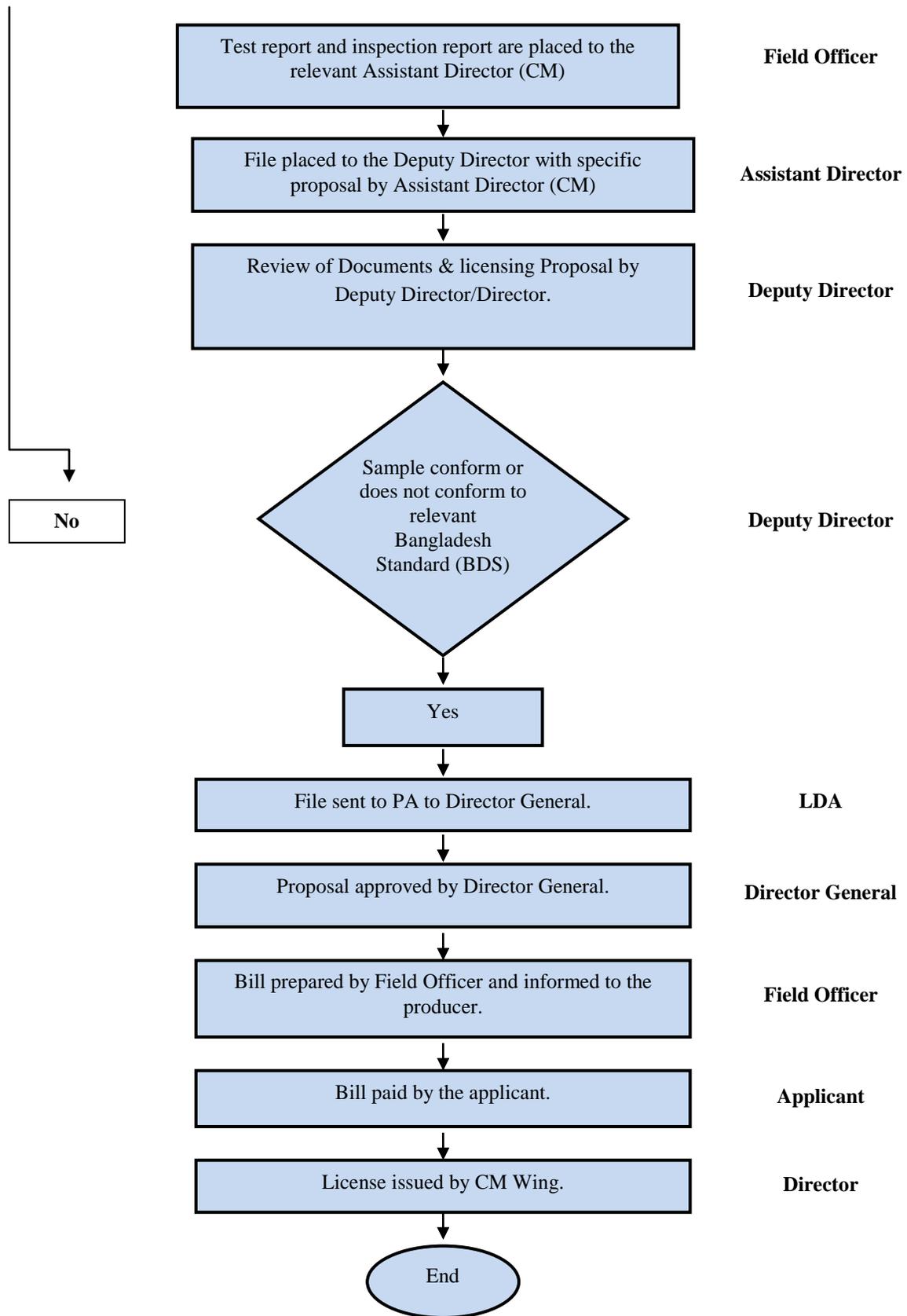
The Field Officer submits the above information and evidence collected from the factory to CM Wing of BSTI office.

c. Collection of sample: If the Field Officer satisfied with the information and evidence, he collects two sets of samples on random basis which are jointly signed and sealed by the Field Officer and the producer/representative of the factory. Both the samples are kept in the custody of the applicant who is advised to submit one set of the sample to the BSTI One Stop Service Center. The other is kept with them as a reference sample.

d. Testing of sample: The producer or his representative submits the sealed samples to One Stop Service Center of BSTI office or any BSTI authorized laboratory. The producer has to pay applicable testing fee.

A schematic diagram, explaining the procedure of approval of CM license is given below:





e. Approval of License: After the completion of the above mentioned formalities if the test parameters are found in conformity with the relevant BDS and inspection report is satisfactory, approval of issuing license is taken in favour of that product/article. A license is approved for a period of three years, which is renewable.

f. Bill Issuing: Upon approval of license, a licensee has to pay fees in favour of BSTI, which is known as CM fee. The break up of the CM fees are as follows:

- (i) Application fee
- (ii) Testing fee
- (iii) License fee
- (iv) Marking fee
- (v) 15% VAT applicable on total fee.

g. Issue of License: In case of Voluntary and Accredited products, application along with factory inspection, test report, physical sample of products are placed at the Products Certification Committee. If Products Certification Committee recommends, license is issued for the products for three years. In general cases, license is issued subject to fulfillment of the above requirements. License is renewed for three years subject to fulfillment of above mention procedures.

h. Cancellation of License: A license can be cancelled, suspended at any time if it is found that the licensee has violated any of the conditions specified in the license or any provision of BSTI Act. A suspended license can be revoked if the producer upgrades the products quality and fulfill others requirements.

1.2 Consumer Protection

In order to ensure consumer rights and also to ensure BDS for the relevant products, BSTI takes following measures regularly:

- (a) Surprise inspections of the licensee's factory and also in open market are carried out periodically by the surveillance team of the BSTI. BSTI team collects random samples from factory and open market and tested in BSTI Laboratory. During the surveillance activities, representatives of the Consumers Association of Bangladesh (CAB) and the Chamber of Commerce and Industries co-operate the team.
- (b) If the test reports of the collected samples are found not in conformity with the relevant BDS, a show cause notice is issued to the producer. If the producer fails to reply to show cause notice or the reply of the show cause notice is found not satisfactory, the license is cancelled and necessary actions are taken.
- (c) Misuse of the Standard Mark by the unscrupulous manufacturer or dealer is punishable under the provisions of the Bangladesh Standards and Testing Institution Act, 2018, which provides penalty and imprisonment to the offending person.
- (d) Any complaints against licensed products or services are taken by BSTI offices for necessary action. There is Citizen Charter in all BSTI offices, which states service duration and also other information. License is issued within maximum 22 working days as per Citizen Charter.

1.3 Awareness Building Activities

BSTI publishes warning notices to the print media in order to ensure awareness among the stakeholders about production of substandard, unauthorized, misuse of BSTI logo etc. Sometimes, a short Television Commercial (TVC) is prepared by BSTI for awareness building of the above mentioned purposes and telecasted in government and private electronic media. All reports including warning notices are uploaded in BSTI website regularly.

1.4 Special Activities

- a. During the month of Ramadan, BSTI undertakes special activities to ensure the supply of quality products among the consumers. In the year of 2019-2020 during the month of Ramadan 406 samples were collected from the open market and tested in the BSTI lab, out of which 74 samples were found substandard. As per BSTI Act, show cause notice issued, to the defaulters and prohibited sales & distribution of the said products. Out of 74 products, 50 products improved their products quality as per BDS. As a result suspension of licenses were withdrawn and 24 license has been cancelled.
- b. Special teams formed by the BSTI officials, collected random samples of diesel, petrol & octane from different petrol pumps and depots in the year 2019-2020. Some of the samples were not found conformance with the relevant Bangladesh Standards (BDS) and due actions were taken against them.
- c. Public Hearing: BSTI arranges public hearing regularly to share views about its services and activities and seeks suggestion from the stakeholder such as business bodies, manufacturing companies, importers and consumer association etc. BSTI takes necessary action based on the recommendation.

Evaluation Plan of Product Certification Accreditation Scheme (Based on ISO/IEC 17065:2012)

Certification Schedule	Category		Sub Category		Scope (Products/Process)	Evaluation Criteria	
						Technical Standards	Others Applicable Document
Type-5 Based on ISO/IEC 17067:2013	A	Food Manufacturing	A-I	Processing of Perishable Animal Products	1. Pasteurized Milk 2. Flavored Milk 3. Low Fat Milk	1. BDS 1702:2002 2. BDS 1471:2012 3. BDS 1866:2013	STI for each product (Based on Standards)
			A-II	Processing of Perishable Plant Products	1. Fruit Drinks 2. Chutney	1. BDS 1581:2015 2. BDS 521:2011	
			A-III	Processing of Ambient Stable Products	1. Wafer Biscuits 2. Protein Rich Biscuits 3. Edible Jell 4. Sweetened/ Unsweetened Condensed Filled Milk 5. Fortified Edible Rice Bran Oil 6. Fortified Soybean Oil 7. Fortified Palm Olein 8. Fortified Edible Palm Oil	1. BDS 1001:2010 2. BDS 1563:2011 3. BDS1801:2015 4. BDS 1780:2014 5. BDS 1886:2014 6. BDS1769:2014 7. BDS 1774:2014 8. BDS 1770:2014	
	B	Non-Food Manufacturing	B-I	Construction Materials and Building	1. Cement	1. BDS EN 197-1:2003	

1.5 Activities of CM (Certification Marks) Wing

SI.	Activities	2018-2019	2019-2020
1	New license issued	2331	2687
2	License renewed	3089	3186
3	Refused application for license	520	647
4	No. of mobile courts/ surveillance teams operated	2047 (mobile courts- 346 & surveillance team- 1701)	1678 (mobile courts- 424 & surveillance team- 1254)
5	Cases instituted in mobile Courts/ surveillance teams	1201 (mobile courts- 395 & surveillance team- 806)	658 (mobile courts- 370 & surveillance team- 288)
6	Cases disposed in mobile Courts/ surveillance teams	505 (mobile courts- 395 & surveillance team- 110)	551 (mobile courts- 370 & surveillance team- 81)
7	Fine/Punishment (Million Taka)	42.90 (mobile courts-41.25 & surveillance team- 1.65)	33.48 (mobile courts-29.43 & surveillance team- 4.05)
8	Number of factories sealed for non-compliance	20	25
9	Penalty (Imprisonment)	31 (person)	21 (person)



BSTI conducts mobile court and surveillance activities against non-compliance, unauthorized use of logo and unlicensed mandatory products across the country to ensure the standards and food safety. The above pictures are the Mobile Court conducted in Dhaka city

Management System Certification (MSC) Wing

BSTI also issues Management Systems Certification (MSC) on ISO 9001 (Quality Management Systems), ISO 14001 (Environment Management Systems), ISO 22000 (Food Safety Management Systems) in the country. Management Systems Certification (MSC) Wing of BSTI has been accredited by Bangladesh Accreditation Board (BAB) on 9 June, 2015 for three years and Accreditation is renewed up to June, 2021. Formerly it was accredited by the Norwegian Accreditation Authority in 2009 and continued up to 2014. MSC, BSTI operates its activities in accordance with international standards ISO/IEC 17021. In addition MSC provides training on ISO 9001, ISO 14001 and ISO 22000; build awareness on Management Systems Certification's procedure and conducts meeting with stakeholders. Total 72 certificates issued up to June, 2020.

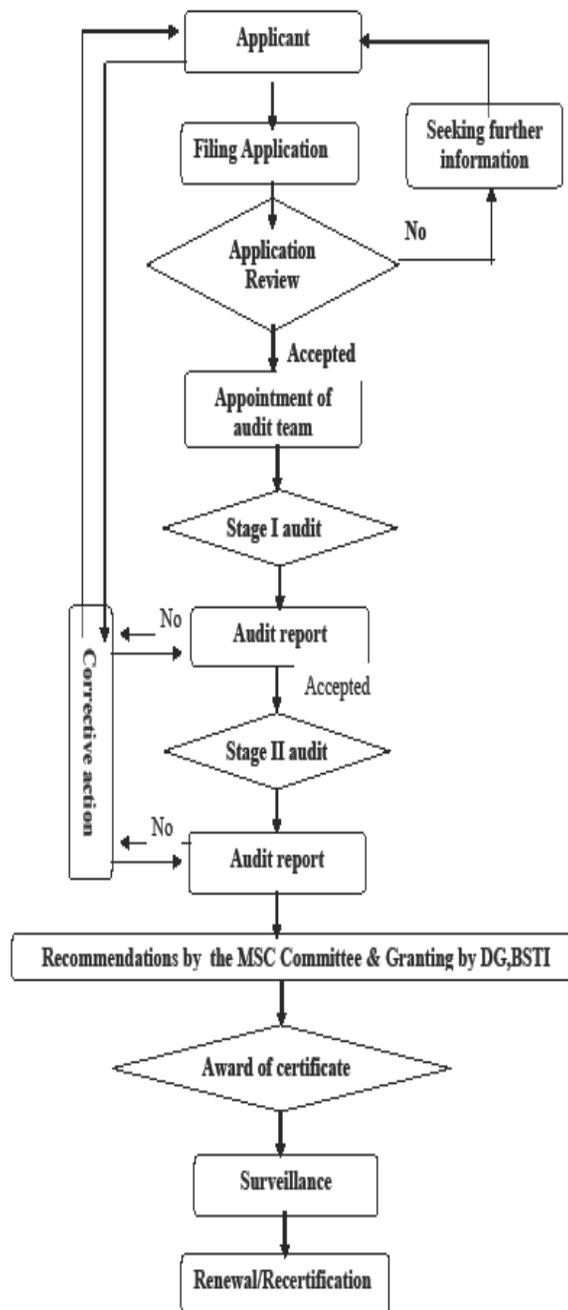
List of Management System Certificate is issued from BSTI to the organizations are as follows:

Description of the Certificates	Sl. No.	Name of the Companies	Certificate no.
ISO 9001:2015 (Quality Management System)	01.	AST Beverage Limited	00002
	02.	Baby Nutrition Limited	00005
	03.	Tokai Corporation Limited	00006
	04.	Paragon Ceramic Industries Ltd.	00009
	05.	BD Foods Limited	00012
	06.	Royal Cement Limited	00015
	07.	Silex Limited	00016
	08.	Emami Bangladesh Ltd.	00017
	09.	Ahmed Food products (Pvt.) Ltd.	00019
	10.	Protik Ceramics Limited	00021
	11.	Basic Power Engineering Ltd.	00023
	12.	Nita Company Limited	00024
	13.	A. T. Haque Limited	00025
	14.	Herbs World Limited	00026
	15.	Prince Chemical Company Ltd.	00027
	16.	Nitol Motors Limited (Service)	00028
	17.	Technology & Business Solution Limited	00029
	18.	Management & Training International Ltd. (MTI)	00030
	19.	The UAE-Bangladesh Investment Company Ltd.	00031
	20.	Ratanpur Steel Re-rolling Mills Ltd. (RSRM)	00032
	21.	Alpine Fresh Water System Ltd	00034
	22.	FulKoli Bread & Biscuit Industries Limited	00035

23.	Asian Power	00036
24.	Rahman Chemicals Limited	00037
25.	Crystal Technology Bangladesh Limited	00038
26.	Chisty AG Fan Manufacturing Industry Limited	00040
27.	Bumblebee Technologies Bangladesh Limited	00041
28.	Kallol Thai President Foods (BD) Limited	00044
29.	Amber Board Mills Limited	00045
30.	Electrical Engineering Company	00046
31.	N. Mohammad Plastic Industries Limited	00047
32.	BD Thai Cosmo Limited	00049
33.	H. R. Re-rolling Mills Limited	00050
34.	Allegro Suites	00051
35.	Suzan Metal Industries	00052
36.	Development Technical Consultants Pvt. Ltd.	00053
37.	Cemix Chemicals Ltd.	00055
38.	Chemito International Ltd.	00056
39.	JMI Hospital Requisite Mfg. Ltd.	00057
40.	Bangladesh Indenting Agents Association	00059
41.	Dream Mushroom Center (DMC)	00060
42.	Jholok Speed Industries	00061
43.	Guardian Network	00062
44.	Integrated Power and Engineering	00063
45.	Sarah Resort Ltd.	00064
46.	Quality Calibration Solutions Private Ltd.	00066
47.	Vidyut Bangladesh Private Ltd.	00067
48.	Apex Metal Industries	00068
49.	Building Care Technology Ltd.	00069
50.	Industrial Engineering Solution Ltd.	00070
51.	Rani Re-Rolling Mills Ltd.	00071

Process flow chart of MSC Wing

Process of Management Systems Certification



Administration Wing

Administration wing provides logistic supports to different wings of BSTI and its field offices. These include appointment, transfer, promotion, human resource management, training, budget preparation, use of fund and maintenance of income & expenditure, legal matters, procurement & store management, planning & project management and other matters.

1.1 Budget

Three Year Income of BSTI	
Financial Year	Income (Tk.)
2017-2018	81,44,34,343.00
2018-2019	104,97,96,863.00
2019-2020	134,96,28,077.00

Three Year Expenditure of BSTI	
Financial Year	Expenditure (Tk.)
2017-2018	70,99,09,720.00
2018-2019	83,77,36,443.00
2019-2020	92,22,91,751.00

1.2 Audit Report: Objections and Disposal

(In Lac Taka)

Financial Year	Audit objections raised in the Financial year		Total Objection (with previous pending)		Disposal of Audit objections (Corresponding year)		Pending	
	Nos.	Taka	Nos.	Taka	Nos.	Taka	Nos.	Taka
2017-2018								
General	6	61.92	228	2013.40	12	38.21	222	2037.11
Advance	15	1967.53	43	1784.29			58	3751.82
Total Objection	21	2029.45	271	3797.69	12	38.21	280	5788.93
2018-2019								
General	12	1536.79	222	2037.11	15	8.54	219	3565.36
Advance	9	720.66	58	3751.82	5	829.70	62	3642.78
Total Objection	21	2257.45	280	5788.93	20	838.24	281	7208.14
2019-2020								
General	22	1619.20	219	3565.36	-	-	241	5184.56
Advance	9	3026.90	62	3642.78	14	823.86	57	5845.82
Total Objection	31	4646.10	281	7208.14	14	823.86	298	11030.38

1.3 Total manpower of BSTI:

Sl. No.	Approved	Existing	Vacant
Class-1 (Grade 1-9)	186	140	37
Class-2 (Grade 10-11)	224	134	103
Class-3 (Grade 12-16)	170	101	67
Class-4 (Grade 17-20)	84	50	34
Total	664	425	241

Approved Post

Category	Percentage
1	28%
2	34%
3	25%
4	13%

Existing Post

Category	Percentage
1	33%
2	31%
3	24%
4	12%

Accreditation Status of BSTI _____

The system of globalization has brought a revolutionary change in every sphere of human life and society and is making the world move fast towards the development of trade, commerce, industry and the quality of industrial products. Exporters need certificates from internationally recognized institutions that their products conform to the requirements for quality, safety, health and environmental impact. The United Nations Industrial Development Organization (UNIDO) extends its hands both in technical and financial terms to developing countries to develop an internationally acceptable conformity assessment system for laboratories.

BSTI Laboratory Accreditation:

The Accreditation of BSTI Laboratories have been granted in accordance with ISO/IEC 17025:2005 in the field of Chemical, Mechanical & Biological Testing by NABL India, on March 18, 2011 and valid date was 17-03-2013.

Last on-site re-assessment audit was conducted on 07-08 March, 2015 by NABL assessors. Validity of Accreditation Certification was extended to 14th June, 2017. With the approval of authority BSTI applied to the Bangladesh Accreditation Board (BAB) for getting the accreditation for 411 parameters of 35 products. Assessors of BAB assessed the laboratories of BSTI in the field of Chemical, Mechanical & Biological Testing from 10-12 July 2017 and awarded accreditation to BSTI for 411 test methods of 305 parameters of 35 products. The validity of Accreditation Certification is up to 30 December 2020.

Total Accredited products: 35 Nos.

Chemical division - 30 & Physical division- 5

(a) Accredited products of Chemical Testing Laboratories are:

Biscuits, Chanachur, Noodles, Instant Noodles, Fruit Juice, Fruit Drinks, Jam, Jelly, Marmalade, Pickle, Sauce, Tomato ketchup. Chutney, Fruit squash, Fruit syrup. Fruit Cordial, Tomato paste, Edible jell. Water, Cement, M.S. Rod and Soap, Carbonated Beverages, Soft drink Powder, Soybean oil, Palm oil, Palm Olein, Rice Bran oil, Sunflower oil and Black Tea.

(b) Accredited products of Physical Testing Laboratories are:

Cement, Building Materials (MS-Rod, GI Pipe, MS Angle & MS Plate), Textile & Garments.



Photo of Chemical Testing Wing



Photo of Physical Testing Wing

Development Projects of BSTI

1. Expansion and strengthening of Bangladesh Standards & Testing Institution (BSTI) (At 5 districts) (2nd Revised).

Approved Cost: Tk. 5182.45 Lac
Actual Cost: Tk. 5144.50
Period: July 2011- December 2019
Source of Fund: GoB



BSTI Divisional Office Rangpur

Objectives:

- To expand and strengthen BSTI's activities all over the country with a view to ensure the improved quality products and metrology services to the people.
- To create institutional infrastructure of BSTI at district level.
- To ensure supply of quality products to the customers.



BSTI Divisional Office Cox's bazar

2. Establishment and Modernization of BSTI Regional Offices at Chittagong & Khulna.

Approved Cost : Tk. 28291.00 Lac
Implementation period: July 2015 - June 2021
Source of fund : GoB

Objectives:

- To ensure quality products to the consumer.
- To Construct the total structure of the ten (10) storied building and finishing work up to 2nd floor including foundation for office cum laboratory building with 10(Ten) storied foundation at Chittagong and Khulna.
- To Procure modern laboratory equipment.



Ongoing 10 Storied Building Project at BSTI Chattogram and Khulna Offices.

3. New project proposals

1. Establishment of Tire-tubes, LPG cylinders and Protective helmet testing laboratories.
2. Establishment and expansion of National Metrology Laboratory (NML) of BSTI.
3. Establishment of BSTI offices at 12 districts.
4. Establishment of the Petroleum and Food Products Testing Laboratory.

International Activities

BSTI maintains liaison with almost all International and Regional organizations in relation to Standards, Conformity Assessment and Metrology.

The Bangladesh Standards and Testing Institution is a full member of the International Standardization Organization (ISO) since 1974. BSTI participates in international standardization activities in all relevant subjects of interest for the country. In most cases participation is being done on-line through the internet.

BSTI is also the full member of the International Organization of Legal Metrology (OIML), of the Asia Pacific Metrology Program (APMP) and an Associate Member of International Bureau of Weights and Measures (BIPM).

The Institution participates actively in the work of the SAARC standing committee on standards, metrology, testing and quality.

The BSTI maintains relations with WTO, ITC, AFIT, Codex Alimentarius Commission of FAO and other international and regional organizations.

WTO-TBT; National Enquiry Point

BSTI has been designated as a National Enquiry Point for Bangladesh for the World Trade Organization (WTO) Technical Barriers to Trade (TBT) Agreement since 2002. The e-mail address of the Bangladesh WTO-TBT National Enquiry Point is: baki_cm@bsti.gov.bd, arafat_cm@bsti.gov.bd

Public Service Information

One Stop Service Centre

The objective of One Stop Service Centre is to provide quick services within the stipulated time according to citizen charter, through extending BSTI's activities to the concerned producers, importers and distributors of various products/items that need to undergo testing for the issuing of a CM license. As such, BSTI has started a One Stop Service Centre as part of fulfilling its commitment for rendering better service to the people. It also facilitates the services of calibration of instrument/apparatus.

At present, BSTI is providing the following e-services:

List of 184 mandatory items with BDS no. have been furnished on the Website.

The following services/information are provided from the One Stop Service Centre:

- i) Procedures & time length for testing/calibration of samples.
- ii) Fees for sample testing / calibration.
- iii) Assurance of receiving sample testing/calibration report within the specified time.
- iv) Procedures and period required for obtaining CM license.
- v) Receiving of marking fees for CM license.
- vi) Receiving applications relating to Weights & Measures.
- vii) Procedures for calibrating an instrument/apparatus & time length
- viii) Dissemination of information/ documentation
- ix) Distribution test/calibration reports.
- x) To provide special service to SMEs and female entrepreneur.
- xi) To bring transparency through the media cell.
- xii) Selling standards and other publications.
- xiii) Delivery of test reports, CM and Metrology licenses.

Citizen Charter

To make the activities of BSTI more transparent and vibrant, a Citizen Charter has been introduced. The time frame of activities of BSTI's Certification Marks, Metrology, Physical and Chemical Testing wing and the rate of the required fees to get these services have been listed specifically in the citizen charter. The BSTI authority has taken decisive steps to implement the citizen charter.

BSTI website

BSTI has established a well-developed, dynamic web site at www.bsti.gov.bd A LAN has also been established in the BSTI for the implementation of e-governance. For creating awareness among the public regarding the role and responsibility of BSTI, a Complaint Box has been included in the BSTI Website.

An On-line Application Form for the Certification Marks (CM) license has been included in the BSTI website. BSTI has introduced a Citizen Charter on the BSTI website to make the activities of BSTI more transparent and vibrant. Manufacturers, importers, buyers, consumers and others have been receiving services as per citizen charter.

Procurement Process in BSTI _____

There are 3 types of committee are working in the procurement process as per PPR-2008

1. Spot Estimation Committee
2. Permanent Estimation Committee
3. Nilam Committee.

1. Spot Estimation Committee

- DG can approve Tk. 15,000 in one demand/week Approve Tk. 10,000 or less in more the one demand/week in purchase, printing or maintenance work.
- This committee also procures by Direct Procurement (DP) method in some special case where only one supplier or govt. organization are worked as a buyer.
- According to PPR-2008 (Amendment 2009-2013) section 76(1) in emergency case authority can approve Tk. 1(One) Lac for each case and maximum approve 5(five) Lac in due to pre approval .

2. Permanent Estimation Committee

This Committee follows the Bangladesh Govt. PPR-2008 rule in their tendering process:

- i) OTM (Open Tender Method): Tender call by newspaper advertisement
- ii) RFQ (Request for Quotation): Rate call by quotation advertisement
- iii) QCBS (Quality Cost Based Selection) Method for service procurement.

i) Open Tender Method (OTM):

Procurement limit: According to follow the proper authorities procuring entity can adopt full financial power.

OTM Process

- a) Demanding section give the requisition to Administration Wing by proper channel.
- b) According to demand, Permanent Estimation Committee prepares the specification and estimate rate to follow the present market price and forward to the authority for approval.
- c) After the approval of authority (DG), tender call by newspaper advertisement.
- d) BSTI Tender Opening Committee received all tender schedule opened and proper signed;
- e) Examine and evaluated by tender evaluation committee;
- f) Recommend responsive lowest renderer along with comparative statements;
- g) Approve contract award and give contract award to responsive lowest renderer;
- h) According to contract award/work order, permanent Receiving Committee receive/accept the work/purchase and recommend to give the bill;
- i) After recommendation of Receiving Committee and Internal Audit & Accounts authority sanction the bill of suppliers.

ii) Request for Quotation (RFQ):

Financial Limit: According to PPR-2008 rule no. 69(1) 6(ka) (Gha) and (Section-2).

Sl. No.	Types of Budget	Goods and Services Financial Limit	Work or Physical Services Financial Limit
1.	Revenue	Up to tk. 3 lac in each item and not more than tk. 15 lac in every year	Up to tk. 6 lac in each item and not more than tk. 25 lac in every year
2.	Development	Up to tk. 5 lac in each item and not more than tk. 30 lac in every year	Up to tk. 10 lac in each item and not more than tk. 60 lac in every year

e-Tendering:

BSTI has registered with CPTU for e-Tendering and already has started e-Procurement process.

Chapter-3

Photo Gallery



Mural of Bangabandhu Sheikh Mujibur Rahman has been erected in the BSTI premises. Inaugurated by Honorable Minister, Ministry of Industries, Mr. Nurul Majid Mahmud Humayun M.P. Honorable State Minister, Ministry of Industries, Mr. Kamal Ahmed Majumder MP and Secretary, Ministry of Industries were also Present in this Occasion



BSTI organized a exchange of views meeting with Dr. Gowher Rizvi, The Prime Minister Advisor on International Affairs on 20th February, 2020



BSTI Organized a Discussion Meeting on 50th World Standards Day on 14th October, 2019. Honorable Industry Minister Mr. Nurul Majid Mahmud Humayun, MP was Present as Chief Guest of the Programme



Honorable Minister, Ministry of Industries Mr. Nurul Majid Mahmud Huhayun, MP Inaugurated BSTI Cox's bazar District Office on 4th July, 2019. State Minister, Ministry of Industries Mr. Kamal Ahmed Majumder, MP, Mr. Shaimum Sarwar Kamal, MP (Cox` s bazar-3, Sadar) and Director General of BSTI Mr. Md. Muazzem Hossain were also present



Md. Muazzem Hossain, DG BSTI receiving a National Integrity System Award from Honorable Minister, Ministry of Industries, Nurul Majid Mahmud Humayun, MP for the fiscal year 2018-2019 handed over on 6th January, 2020. Honorable State Minister, Ministry of Industries, Kamal Ahmed Majumder MP and Md. Abdul Halim, Secretary, Ministry of Industries were present



Director General of BSTI Mr. Md. Muazzem Hossain welcomed Industry Secretary Mr. K M Ali Azam at BSTI with a crest on 25th June, 2020



Newly Appointed Director General (Grade-1) of BSTI Dr. Md. Nazrul Anwar Paying Homage to Mural of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman at Dhanmondi 32 on 1st July, 2020. Former Education Secretary and Curator, Bangabandhu Memorial Trust Mr. N I Khan was also Present.



The departing Director General (Grade-1) of BSTI Mr. Md. Muazzem Hossain welcomed newly appointed Director General (Grade-1) Dr. Md. Nazrul Anwar with a crest on 28th June, 2020



BSTI's wreath laying on Mural of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman on the occasion of Victory Day on 16th December, 2019



Newly appointed Director General (Grade-1) of BSTI Dr. Md. Nazrul Anwar is signing in Visitors Book at Bangabandhu Memorial Museum after Paying Homage to Mural of the Father of the Nation Bangabandhu Sheikh Mujibur Rahman at Dhanmondi 32 on 1st July, 2020



Training programme organized by BSTI on 'Office Discipline and Behavior' held on 8th January, 2020 at BSTI Conference room. The Senior Secretary of Anti Corruption Commission Mr. Md. Dilwar Bakth was present as Chief Guest



Bangladesh Standards and Testing Institution (BSTI) have conferred ISO 9001:2015 (Quality Management System), ISO 14001:2004 (Environment Management System) and ISO 22000:2005 (Food Safety Management System) certificate for ensuring international standard. BSTI Director General Mr. Md. Muazzem Hossain handed over the certificates to the participants.



An `Educational visit and Practical Class for their Quality Control Service' was organized for Bangladesh Air Force, Batch-32 at BSTI on 24th July, 2019



An `Educational visit and Practical Class for their Quality Control Service' was organized for Bangladesh Air Force, Batch-33 at BSTI on 5th February, 2020



Students of Islamic University visit BSTI as a part of their educational tour on 5th March, 2020



Student of Tejgaon Govt. High School visit BSTI as their educational trip on 24th February, 2020



BSTI Organized a practical Training workshop on Immediate Action on Fire fighting for their officials on 11th December, 2019



Commonwealth Standards Network (CSN) organized a Stakeholder Workshop on 15th July, 2019 at BSTI. Director General of BSTI Md. Muazzem Hossain was present as Chief Guest in the workshop



Mobile court of BSTI seized a huge number of carbonated beverage using unauthorized BSTI logo from Ashulia, Savar. Director General of BSTI Dr. Md. Nazrul Anwar and officials of BSTI were present



Mobile Court of BSTI in Dhaka City



Mobile Court of BSTI in Chattogram City



Mobile Court of BSTI in Khulna City



Mobile Court of BSTI in Rajshahi City



Mobile Court of BSTI in Sylhet City



Mobile Court of BSTI in Barishal City



Mobile Court of BSTI in Rangpur City



Mobile Court of BSTI in Mymensingh City



Mobile Court of BSTI in Faridpur City



Mobile Court of BSTI in Cumilla City



Mobile Court of BSTI in Cox's bazar City



Mobile Court of BSTI in Bogura City

Chapter-4

Training and Visit

Overseas Training and Visit

A large number of officers of BSTI have been imparted from abroad during the period 2019-2020. The BSTI experts also attended meetings, seminars and workshops held at home and abroad and contributed to developing regional and international cooperation. The details of the training received by BSTI officials are given below:

Office of the Director General

Sl. No.	Name & Designation of the officers	Name of the Training/Activities	Country	Duration		Remarks (Source of Expenditure)
				From	To	
1	2	3	4	5	6	7
01.	Mr. Md. Muazzem Hossain, Director General	Bangladesh-India Joint working group on trade	India	13-01-2020	16-01-2020	BSTI

Administration Wing:

Sl. No.	Name & Designation of the officers	Name of the Training/Activities	Country	Duration		Remarks (Source of Expenditure)
				From	To	
1	2	3	4	5	6	7
01	Md. Taher Jamil Director	Workshop on Food Safety Regulations and Related Issues	China	16-12-2019	20-12-2019	APO

Physical Testing Wing

Sl. No.	Name & Designation of the officers	Name of the Training/Activities	Country	Duration		Remarks (Source of expenditure)
				From	To	
1.	MobinUI Islam Assistant Director (Elec.) Physical Testing Wing	Capacity Building Program for SDG Localization for Sustainable Industrialization in Bangladesh	Australia	13-10-2019	25-10-2019	Own fund of BSTI
2.	Md. Mizanur Rahman Assistant Director (Physical)	Competence and Management System of the Laboratories	India	10-02-20	28-02-20	BAB, Bangladesh

Chemical Testing Wing

Sl. No.	Name & Designation of the officers	Name of the Training/Activities	Country	Duration		Remarks (Source of Expenditure)
				From	To	
1	2	3	4	5	6	7
01	Mr. ABM Raisul Alam Asstt. Director (Chemical)	1. "Codex Coordination Committee for ASIA (CCASIA) Colloquium"	India	14-10-19	16-10-19	GoB
		2. Task Force on Anti Microbial Resistance (TFAMR)	Republic of Korea	09-12-19	13-12-19	GoB

Metrology Wing

Sl. No	Name & Designation of the officers	Name of the Training/Activities	Country	Duration		Remarks (Source of Expenditure)
				From	To	
1	2	3	4	5	6	7
01	Md. Anwar Hossain Molla Director Md. Jaydul Islam Deputy Director	APMP-2019	Australia	29-11-2019	06-12-2019	APMP-DEC and Govt. of Bangladesh
02	Md. Khairul Islam Deputy Director BSTI, Divisional Office, Rajshahi	Capacity Building in Technical and Scientific Organization Using Regional Experiences and Knowledge (CABUREK)	Sri Lanka	09-04-2019	11-04-2019	PTB
03	Md. Shaidur Rahman, Assistant Director Syeda Kimia Alam Diba Examiner Md. Masudul Haque Inspector	SIP-Scientific Interaction Program	India	21-11-2019	05-12-2019	SAARC-PTB
04	Md. Shafiqul Alam Assistant Director	Temperature Artifact Transportation	Philippines	29-11-2019	30-11-2019	APMP-TCI
05	Md. Zahid Hasan Inspector Pujon Karmoker Inspector	Calibration and Testing of non-invasive Sphygmomanometer	Malaysia	11-11-2019	15-11-2019	PTB, SIRIM
06	Md. Masudul Haque Inspector	Temperature Artifact Transportation	Vietnam	29-09-2019	10-10-2019	APMP-TCI

Standards Wing

Sl. No	Name of the Training/Programme	Name & Designation of the Officers	Country	Duration		Remarks (Source of Expenditure)
				From	To	
1	2	3	4	5	6	7
1.	Food Safety Policy, Trade, Standards and Harmonization Discussion Workshop	Mr. Enamul Hoque Assistant Director (Agri. & Food)	India	8-07-2019	10-07-2019	USDA

Sl. No	Name of the Training/Program me	Name & Designation of the Officers	Country	Duration		Remarks (Source of Expenditure)
2.	Codex Coordination Committee for Asia Colloquium	Mr. Enamul Hoque Assistant Director (Agri. & Food)	India	14-10-2019	17-10-2019	USDA
3.	ISO Regional Workshop CASCO Toolbox	Ms. Rahima Talukder Deputy Director (Electrical)	Thailand	20-08-2019	21-08-2019	ISO
4.	FAO-GM Foods Platform Global Community Meeting	Mr. Golam Md. Sarwar Deputy Director (Agri. & Food)	Thailand	10-09-2019	13-09-2019	FAO
5.	83rd IEC General Meeting, 2019	(i) Ms. Rahima Talukder Deputy Director (Electrical)	China	21-10-2019	25-10-2019	BSTI
		(ii) Mr. Md. Mamun Khaled Assistant Director (Electrical)	China	21-10-2019	25-10-2019	Standards Australia
6.	Clum Cook stoves and Cooking Solution	Mr. Md. Saidul Islam Deputy Director (Engineering)	Kenya	06-11-2019	09-11-2019	ISO
7.	ISO regional follow-up workshop on national standardization strategies	(i) Ms. Nilufa Hoque Deputy Director (Jute & Textile)	Singapore	03-12-2019	05-12-2019	ISO
		(ii) Mr. Md. Mamun Khaled Assistant Director (Electrical)	Singapore	03-12-2019	05-12-2019	ISO
8.	ISO 37001:2016 Anti-Bribery Management Systems – a tool to contribute to the UM SDGs	Ms. Dil Rafia Hasan Assistant Director (Jute & Textile)	Malaysia	09-12-2019	11-12-2019	ISO
9.	Learning Visit Standard strategies and implementation model of double fortified salt	Mr. Md. Golam Md. Sarwar Deputy Director (Agri. & Food)	India	20.01.2020	25.01.2020	WFP
10.	ISO/PC 318 Community scale Resource Oriented sanitation treatment system	Mr. Mursaleem Mahfuz Assistant Director (Engineering)	Thailand	03-02-2020	07-02-2020	ISO

Chapter-5
Right to Information (RTI)

List of Designated Officers for RTI as per Right to Information Act, 2009

Sl. No	Name of Designated Officers and Offices	Address	Telephone/Mobile/E-mail
1.	Mr. Md. Reazul Haque Deputy Director (CM) BSTI Head Office , Dhaka	Maan Bhaban 116-A, Tejgaon I/A Dhaka-1208	Tel: 02-9131582 Mob: 01915479553 Email: reazul112@yahoo.com
2.	Mr. Taiub Ali Assistant Director (Physical) Rajshahi	BSTI Divisional Office, Rajshahi Bypass Road, Nawdapara, Sapuura, Rajshahi	Tel: 0721-861398 Mob:01723538067 Email: taiubali03@gmail.com
3.	Mr. Md. Kamal Hossain Assistant Director (Chemical) Syllhet	BSTI Divisional Office, Sylhet BSCIC Industrial Park Khadimnagar, Syllhet	Tel: 0821-2870935 Mob: 01717255232 Email: bstisylhet@gmail.com
4.	Mr. Md. MostakAhammed Assistant Director (CM) Chattogram	BSTI Divisional Office, Chattagram Jamburi Ground, Agrabad, Chattogram	Tel: 031-721137 Mob: 01715150042 Email: mostakbsti@gmail.com
5.	Mr. Abdus Samad Deputy Director (Met) DMI, Dhaka	Dhaka Metrology Inspectorate (DMI) 116-A, Tejgaon I/A Dhaka-1208	Tel: 02-8870300 Mob: 01711010985 Email: dmi_bsti@yahoo.com asamadbsti@gmail.com
6.	Engr. Md. Nurul Islam Deputy Director (CM) Khulna	BSTI Divisional Office, Khulna 62, Old Jessore road Khalishpur, Khulna	Tel: 041-761542 Mob: 01823213152 Email: emnislam.bd@gmail.com bstikhulna2@gmail.com
7.	Mr. Md. Jahidur Rahman Assistant Director (CM) Barisal	BSTI Divisional Office, Barishal BSCIC Industrial Park Kaunia, Barisal	Tel: 0431-65176 Mob: 01913802632 Email: bstibarisal@gmail.com
8.	Engr. Shashi Kanta Das Assistant Director (CM) Mymensingh	BSTI Divisional Office, Mymensingh Kismot, Rahmotpur Sadar Mymensingh.	Mob: 017135431721 Email: shashidas95@gmail.com
9.	Mr. AnimeshMazumder Assistant Director (Met) Rangpur	BSTI Divisional Office, Rangpur House No-46/2, Road No-01 Porjoton Purbapara Post- Sadar, Rangpur-5400.	Mob: 01921975647 Email: animesh98503@gmail.com
10.	Mr. ZiaulHaque Assistant Director (CM) Cumilla	BSTI District Office, Cumilla Holding No.21/1, Ward No-23 Dhanpur Kotbari Road Cumilla-3502.	Mob: 01723847920 Email: ziahaque5@gmail.com
11.	Mr. Firoz Ahmed Assistant Director (CM) Faridpur	BSTI District Office, Faridpur BSCIC Industrial Area, Kanaipur Faridpur-7801.	Mob: 01671410656 Email: firoz_che@gmail.com
12.	Engr. Zunaid Ahmed Field Officer (CM) Bogura	BSTI District Office, Bogura Old Upozila Bhaban Kaigary, Bogura.	Tel: 051-64888 Mob: 01915029002 Email: zunaid365@gmail.com
13.	Mr. Ikbal Ahammod Field Officer (CM) Cox'bazar	BSTI District Office, Cox's Bazar Plot: 4-5, New Circuit House Road, Cox'sbazar.	Mob: 01718386002 Email: ikbalahammod@gmail.com

Appellate Authority

BSTI is an Autonomous Body. The Director General of BSTI is the chief executive of the institution. The appellate authority of BSTI is given below:

Name of office	Appellate Authority	Address Appellate Authority
BSTI Head Office, Dhaka and its Divisional offices; Dhaka/Chattogram/Rajshahi/ Khulna/Barisal and Sylhet.	Director General, BSTI	Maan Bhaban 116-A, Tejgaon I/A Dhaka-1208

RTI Activities in July 2019- June 2020 (Comparative Figure with Previous Two Years)

SL. No.	Financial Year	Name of the Authority	Number of Application for Information	Number of Information Provided	Number of Appeals Filed	Number of Complaints Submitted	Amount of Cost Information Realized from Providing Information	Action Taken Against Designated Officer for Net Providing Information
1.	2017-2018	BSTI	02	02	01	01	4/-	Dismissed by Information Commission
2.	2018-2019	BSTI	13	13	Not Applicable	Not Applicable	No Cost Charge	Not applicable
3.	2019-2020	BSTI	19	19	Not Applicable	Not Applicable	No Cost Charge	Not applicable

Chapter-6
Mandatory Products List

List of 181 Products Brought Under Mandatory Certification Marks Scheme

A. Agricultural and Food Products (76 Items)

Sl.	Name of the products	Standards No.
1.	Plywood Tea-Chest	BDS 18:2006 (2 nd Revision)
2.	Mustard Oil	BDS 25:2015 (2 nd Revision)
3.	Refined Sugar	BDS 138: 2006 (2 nd Revision) Amendment 1: 2008
4.	Suji (Semolina)	BDS 190:2016 (2 nd Revision)
5.	Poultry Feeds	BDS 233:2015 (2 nd Revision)
6.	Wheat Atta	BDS 380:2007 (2 nd Revision)
7.	Maida	BDS 381:2007 (3 rd Revision)
8.	Bread	BDS 382:2016 (3 rd Revision) Amendment 1: 2018
9.	Biscuits	BDS 383:2001(2 nd Revision)
10.	Macaroni, Spaghetti and vermicelli	BDS 384:2017 (2 nd Revision)
11.	Lozenges	BDS 490:2014 (3 rd Revision)
12.	Canned and Bottled Fruits	BDS 503:2006 (1 st Revision)
13.	Fruit Squashes	BDS 506 :2002 (2 nd Revision)
14.	Fruit Cordial	BDS 508:2006 (2 nd Revision)
15.	Sauce (Fruits or Vegetables)	BDS 512:2017 (1 st Revision)
16.	Fruits and Vegetables Juices	BDS 513:2013 (3 rd Revision)
17.	Tomato Paste	BDS 517:2015 (3 rd Revision)
18.	Fermented Vinegar	BDS 523:2015 (2 nd Revision)
19.	Concentrated Fruit Juice	BDS 527:2015 (2 nd Revision)
20.	Fruit Syrup	BDS 528:2006 (2 nd Revision) Amendment 1:2017
21.	Tomato Ketchup	BDS 530:2002 (2 nd Revision)
22.	a)Soluble Coffee Powder b)Roasted and Ground Coffee c) Roasted Coffee Chicory Powder	BDS 763:2016 (2 nd Revision) BDS 805:2016 (1 st Revision) BDS 806:2016 (1 st Revision)
23.	Plywood for General Purposes	BDS 799: 2006 (2 nd Revision)
24.	Banaspati	BDS 804:2011 (2 nd Revision)
25.	Butter Oil and Ghee	BDS 908: 2012 (2 nd Revision)
26.	Turmeric Powder	BDS 991: 2001 (1 st Revision)
27.	Wheat Bran	BDS 997:2006 (1 st Revision)
28.	Toffees	BDS 1000:2001 (1 st Revision)
29.	Chilies, Whole and Ground	BDS 1017:2001 (1 st Revision)
30.	Safety Matches in Boxes	BDS 1040:2006 (1 st Revision)
31.	Ice Cream	BDS 1083:2006 (1 st Revision)
32.	Coriander Powder	BDS 1084:2015 (1 st Revision)
33.	Mosquito Coils	BDS 1089: 2018 (3 rd Revision)
34.	Noodles	BDS 1106:2015 (2 nd Revision)
35.	Carbonated Beverages	BDS 1123:2013 (3 rd Revision)
36.	Malathion 57% (w/v) (Emulsifiable Concentrate)	BDS 1179: 2001(1 st Revision)
37.	Curry Powder	BDS 1205: 2013 (2 nd Revision)
38.	Iodized Salt	BDS 1236:2001 (1 st Revision), Amendment 1: 2007
39.	Drinking Water	BDS 1240:2001 (1 st Revision)
40.	Natural Mineral Water	BDS 1414:2000 (1 st Revision)
41.	Lassi (Yoghurt Drink)	BDS 1470:2015 (1 st Revision)

42.	Chewing Gum, Ball Gum and Bubble Gum	BDS 1498:2012 (1 st Revision)
43.	Instant Noodles	BDS 1552:2015 (2 nd Revision)
44.	Chips/Crackers	BDS 1556:2017(1 st Revision)
45.	Chanachur	BDS 1564:2016 (1 st Revision)
46.	Cakes	BDS 1574: 2012 (2 nd Revision)
47.	Soft Drink Powder	BDS 1586:2007 (1 st Revision)
48.	Lachsa Semai	BDS 1620:2000
49.	Pasteurized Milk	BDS 1702:2002
50.	Fortified Soybean Oil	BDS 1769:2014 (1 st Revision)
51.	Fortified Edible Palm Oil	BDS 1770:2014 (1 st Revision)
52.	Fortified Edible Sunflower Oil	BDS 1773:2016 (1 st Revision)
53.	Fortified Palm Olein	BDS 1774:2006 Amendment 1:2014
54.	Sweetend/Unsweentend Condensed Filled Milk	BDS 1780:2014 (1 st Revision)
55.	Muri (Puffed Rice)	BDS 1796:2008
56.	Edible Jell	BDS 1801:2015 Amendment 1:2018
57.	Cumin Powder	BDS 1807:2008
58.	Fortified Edible Rice Bran Oil	BDS 1886:2014
59.	Fish Feed	BDS 1915:2016
60.	Dextrose Monohydrate	BDS CAC 8:2007
61.	Liquid Glucose (Glucose Syrup)	BDS CAC 9:2006
62.	Honey	BDS CAC 12:2007
63.	Canned Pineapple	BDS CAC 42:2007
64.	Infant Formula and Formulas for Special Medical Purposes Intended for Infants	BDS CAC-72: 2008
65.	Processed Cereal Based Food for Infants and Young Children	BDS CAC 74:2007
66.	Chocolate	BDS CAC 87:2008
67.	Follow-up Formula	BDS CAC 156:2008 Amendment 1:2009
68.	Milk Powders and Cream Powder	BDS CAC 207: 2008 Amendment 1:2009
69.	Sugar	BDS CAC 212:2006
70.	Fermented Milk	BDS CAC 243 : 2015
71.	Pickled Fruits and Vegetables	BDS CAC 260:2014
72.	Jams, Jellies and Marmalades	BDS CAC 296:2014
73.	Butter	BDS CAC-A-1:2002
74.	Condensed Milk and Condensed Skim Milk	BDS CAC A-4:2002
75.	Black Tea Definition and Basic Requirements	BDS ISO 3720:2017
76.	Instant Tea in Solid Form	BDS ISO 6079:2015

B. Chemical Products (46 items)

Sl.	Name of the products	Standard No
77.	Laundry Soaps	BDS 12:1991 (2 nd Revision) Reaffirmed 2014
78.	Toilet Soap	BDS 13:2006 (3 rd Revision) Amendment 1: 2008
79.	Coal Tar Black Paint (Alquatra)	BDS 69 (part-2):1991 Amendment 1:2006
80.	Stamp Pad Ink	BDS 90: 2011 (2 nd Revision)
81.	Coconut Oil	BDS 99:2007 (2 nd Revision)
82.	Aluminium Sulphate, Non Ferric	BDS 149:2014 (2 nd Revision)
83.	Triple Super Phosphate (T.S.P.)	BDS 216:1991 (1 st Revision) Amend. 1,2: 2007
84.	Urea (Fertilizer)	BDS 217: 2011 (2 nd Revision)
85.	Pencils	BDS 330:1993 (1 st Revision) Amendment 1 :2006
86.	Sole Leather (Vegetable Tanned)	BDS 340: 2012 (2 nd Revision)
87.	Internal Combustion Engine Crankcase Oils (Diesel and Gasoline)	BDS 343:2012 (1 st Revision)
88.	High Speed Diesel	BDS 344:2016 (2 nd Revision)
89.	Unleaded Motor Gasoline-Premium`	BDS 346:2010 (4 th Revision)
90.	Unleaded Motor Gasoline-Regular	BDS 347: 2010 (4 th Revision)
91.	Ready Mixed Paint, Brushing, Finishing Semi Gloss for General Purpose	BDS 402:1989 (1 st Revision) Amendment 2:2007
92.	Writing and Printing Papers	BDS 405: 2012 (2 nd Revision)
93.	Carbon Paper for Type Writer	BDS 411:1989 (1 st Revision) Amendment 1: 2006
94.	Ceramic Tableware	BDS 485:2000 (2 nd Revision) Amendment 3:2006
95.	Newsprint	BDS 845:2012 (2 nd Revision)
96.	Shoe Polish, Paste	BDS 1006:1981 Amend 1:2006
97.	Tooth Paste	BDS 1216: 2012 (2 nd Revision)
98.	Shaving Cream	BDS 1241:2017 (1 st Revision)
99.	Shampoo Surfactant Based	BDS 1269:2014 (2 nd Revision)
100.	Skin Powders	BDS 1337:2015 (1 st Revision)
101.	Hair Oils	BDS 1339:2018
102.	Tooth Powder	BDS 1370:2017 (1 st Revision)
103.	Skin Creams	BDS 1382: 2015 (2 nd Revision)
104.	Ball Point Pens	BDS 1384:2002 (1 st Revision)
105.	Enamel Synthetic Exterior- (a) Undercoating (b) Finishing	BDS 1423:2018 (1 st Revision)
106.	Lipstick	BDS 1424:1993, Amendment 2:2006
107.	Tableware Made of Melamine Moulding Compound	BDS 1425:2009 (1 st Revision)
108.	Synthetic Detergent Powder	BDS 1445:2003 (1 st Revision)
109.	After Shave Lotion	BDS 1524:2006 (1 st Revision)
110.	Diammonium Phosphate	BDS 1628:2000
111.	Cement Paints	BDS 1706:2015 (1 st Revision)
112.	Facial Tissue Paper	BDS 1723:2003
113.	Toilet Tissue Paper	BDS 1745:2006
114.	Baby Oil	BDS 1766:2006
115.	Baby Toilet Soap	BDS 1798:2008
116.	Tableware Made of Urea Moulding Compound	BDS 1825:2011 (1 st Revision)
117.	Emulsion Paint	BDS 1827:2018 (1 st Revision)
118.	Economy Emulsion Paint (Distemper)	BDS 1833:2018 (1 st Revision)
119.	Skin Powder for Babies	BDS 1844:2011
120.	Skin Creams and Lotions for Babies	BDS 1858:2012
121.	Baby Shampoo	BDS 1884:2014
122.	Skin Lotions	BDS 1923:2016

C. Engineering Products (19 items)

Sl.	Name of the products	Standards No
123.	Common Building Clay Bricks	BDS 208:2009 (3 rd Revision)
124.	Safety Razor Blades	BDS 219:2002
125.	Portable Fire Extinguisher	BDS 825:1991(1 st Revision) Reaff. 2007
126.	Bi-cycle Rim	BDS 986:2006 (1 st Revision)
127.	Mild Steel Pipe and G.I. Pipe	BDS 1031:2006 (1 st Revision)
128.	G P Sheet (with Corrugation)	BDS 1122:1987 Reaffirmed 2007
129.	Protective Helmets for Scooter & Motor Cycle Riders	BDS 1136:1986 Reaffirmed 2007
130.	Sanitary Ware Appliances	BDS 1162:2014 (3 rd Revision)
131.	Household Refrigerators/Freezers	BDS 1849:2012
132.	Air conditioners	BDS 1852:2012
133.	Pipes and Fittings Made of Unplasticized Polyvinyl Chloride (PVC-U) used for Potable Water Supply.	BDS 1878:2015
134.	Extruded Profiles of Aluminum and Aluminum Alloys	BDS 1879: 2014
135.	Steel for the Re-enforcement of Concrete (Part-1 and Part-2)	BDS ISO 6935-1:2012 BDS ISO 6935-2:2016
136.	Continuous hot-dip aluminium/zinc Coated Steel Sheet of Commercial, Drawing and Structural Qualities	BDS ISO 9364:2011
137.	(1) Refillable Welded Steel Gas cylinders Test pressure and below	BDS ISO 4706:2008
	(2) Refillable seamless aluminum alloy gas cylinders- Design, construction and testing	BDS ISO 7866:2008
	(3) Refillable seamless steel gas cylinders- Design, construction and testing	
	Part 1: Quenched and tempered steel cylinders with tensils strength less than 1100 MPa	BDS ISO 9809-1:2008
	Part 2: Quenched and tempered steel cylinders with tensils strength greater than or equal to1100 MPa	BDS ISO 9809-2:2008
	Part 3 :Normalize steel cylinders	BDS ISO 9809-3:2008
138.	Ceramic Tiles- Definitions, Classifications Characteristics & Marking	BDS ISO 13006:2015
139.	Cement- Part :1 Composition, Specifications and Conformity Criteria for Common Cement	BDS EN 197-1:2003 Reaffirmed 2010
140.	Sanitary Tap Ware-Single Taps and Combination Taps for Water Supply Systems of Type 1 and Type 2-General Technical Specification	BDS EN 200:2009
141.	Bitumen and Bituminous Binders-Specification for Paving Grade Bitumen	BDS EN 12591:2009
	Bitumen and Bituminous Binders-Framework for Specifying Cationic Bituminous Emulsions	BDS EN 13808:2009

D. Jute and Textile Products (12 items)

Sl.	Name of the products	Standards No
142.	Poplin Fabric	BDS 32:2011 (3 rd Revision)
143.	Cotton Sewing Thread	BDS 33:1989 (1 st Revision), Reaffirmed 2005
144.	Cotton Canvas	BDS 319:2005 (3 rd Revision)
145.	Umbrella Cloth	BDS 1125:2005 (1 st Revision)
146.	Polyester Blend Shirting (Market varieties)	BDS 1148:2011 (2 nd Revision)
147.	Polyester Blend Suiting	BDS 1175:2011 (2 nd Revision)
148.	Rubber Flat Transmission Belting of Textile Construction for General Uses	BDS 1199:2005 (1 st Revision)
149.	Rubber Conveyor and Elevator Belting of Ply Construction. Part-1 for General Use.	BDS 1200 (Part-1):2005 (1 st Revision)
150.	Industrial Sewing Threads Made Wholly or Partly from Synthetic Fibres	BDS 1221:2011 (3 rd Revision)
151.	Sanitary Towels/Napkins	BDS 1261:2016 (1 st Revision)
152.	Textiles-Colour Fastness Ratings-Specification	BDS 1758:2006
153.	Textiles – Tests for Colour Fastness- Part E11: Colour Fastness to Steaming	BDS ISO 105- E11:2004

E. Electrical and Electronics Products (27 items)

Sl.	Name of the products	Standards No
154.	Tungsten Filament Lamps for Domestic and Similar General Lighting Purposes – Performance Requirements	BDS 17:2006 (3 rd revision)
155.	Ceiling Roses	BDS 116:2006 (2 nd revision)
156.	Lead Acid Starter Batteries: (a) Part-1 General Requirements and Methods of Test (b) Part-2 Dimensions of Batteries and Dimension and Marking of Terminals (c) Part-3 Dimension of Batteries for Heavy Commercial Vehicles	BDS 206 (Part-1):2002 (2 nd revision) BDS 206 (Part-2):2002 (2 nd revision) BDS 206 (Part-3):2002 (2 nd revision)
157.	Performance and Construction of Electric Circulating Fans and Regulators (Ceiling and Deck-head Fans, Pedestal Fans and Table/Cabin Fans with in-Built Regulators)	BDS 818: 1998 (1 st revision) Amend. 1:2006
158.	Insulated flexible cords: (a) Part-1 General requirements (b) Part-2 Requirements for rubber insulated flexible cords (c) Part-3 Requirements for PVC insulated flexible cords (d) Part-4 Flexible cords insulated with varnished glass fibre (e) Part-5 PVC insulated extensible leads (f) Part-6 Methods of test	BDS 899 (Part-1):2000 (1st revision) BDS 899 (Part-2):2001 (1st revision) BDS 899 (Part-3):2001 (1st revision) Amendment 1:2009 BDS 899 (Part-4):2001 (1st revision) BDS 899 (Part-5):2001(1st revision) BDS 899 (Part-6):2001 (1st revision)
159.	PVC Insulated Cables (Non Armoured for Electric Power and Lighting)	BDS 900:2010 (2nd revision)

160.	Winding Wires: (a) Part 1 Enameled round copper winding wires (b) Part-2 Enameled rectangular copper winding wires (c) Part-3 Enameled round aluminium winding wires (d) Part-4 Enameled rectangular aluminiumwinding wires (e) Part-5 Test method	BDS 1034 (Part-1):2006 (1 st revision) BDS 1034 (Part-2):2006 (1 st revision) BDS 1034 (Part-3):2006 (1 st revision) BDS 1034 (Part-4):2006 (1 st revision) BDS 1034 (Part-5):2006 (1 st revision)
161.	Bare Aluminium and Aluminium Alloy Conductors for Overhead Power Transmission Aluminium Conductors Steel re-Inforced for Overhead Power Transmission	BDS 1036:2006 BDS 1037:2003 (1 st revision)
162.	Three-Phase Induction Motors	BDS 1139:1986, Amendment 1:2006
163.	Electronic Type Fan Regulators	BDS 1323:1991, Amendment 1:2006
164.	Cut-out Switches (Main Switches)	BDS 1395:1993, Reaffirmed 2005
165.	Porcelain Insulator for Overhead Power Lines with a Nominal Voltage up to andIncluding 1000 V	BDS 1543:2006 (1 st revision)
166.	Self-ballasted Lamps for General Lighting Services –Performance Requirements	BDS 1734:2003
167.	Energy Efficiency Rating for Self-Ballasted Lamps (Integral Type Compact Florescent Lamps)	BDS 1761:2013 (1 st revision)
168.	Double-Capped Fluorescent Lamps – Performance	BDS IEC 60081:2006
169.	Primary Batteries: (a) Part-1 General (b) Part-2 Physical and electrical specifications (c) Part-3 Watch batteries (d) Part 4 Safety of lithium batteries (e) Part-5 Safety of Batteries with aqueous electrolyte	BDS IEC 60086 (Part 1):2005 BDS IEC 60086 (Part 2):2005 BDS IEC 60086 (Part 3):2005 BDS IEC 60086 (Part 4):2005 BDS IEC 60086 (Part 5):2005
170.	Electric Irons for Household or Similar Use – Methods for Measuring Performance	BDS IEC 60311:2018
171.	Insulators for Overhead Lines with a Nominal Voltage above 1000 V (a) Part-1 Ceramic or glass insulator units for ac Systems – Definitions, Test Methods and Acceptance Criteria (b) Part-2 Insulator Strings and Insulator Sets for ac Systems – Definitions, Test Methods and Acceptance Criteria	BDS IEC 60383 (Part 1):2006 BDS IEC 60383 (Part 2):2006
172.	Power Cables with Extruded Insulation and Their Accessories for Rated Voltage from 1 kV up to 30 kV (a) Part-1 Cables for Rated Voltage of 1 kV and 3 kV (b) Part-2 Cables for Rated Voltage from 6 kV up to 30 kV (c) Part-4 Test Requirement on Accessories for Cables with Rated Voltage from 6 kV up to 30 kV	BDS IEC 60502 (Part 1):2005 BDS IEC 60502 (Part 2):2005 BDS IEC 60502 (Part 4):2005

173.	Switches for Household and Similar Fixed Electrical Installation – Part 1: General Requirements	BDS IEC 60669 (Part 1):2018
174.	Plugs and Socket-Outlets for Household and Similar Purposes– Part-1:General Requirements Part 2-1: Particular Requirements for Fused Plugs Part 2-2: Particular Requirements for Socket-Outlets for Appliances Part 2-3: Particular Requirements for Switched Socket-Outlets without Interlock for Fixed Installations Part 2-4: Particular Requirements for Plugs and Socket-Outletsfor SELV Part 2-5: Particular Requirements for Adaptors Part 2-6: Particular Requirements for Switched Socket-Outlets with Interlock for Fixed Installation Part 2-7: Particular Requirements for Cord Extension Sets	BDS IEC 60884 (Part 1):2016 BDS IEC 60884 (Part 2-1):2016 BDS IEC 60884 (Part 2-2):2016 BDS IEC 60884 (Part 2-3):2016 BDS IEC 60884 (Part 2-4):2016 BDS IEC 60884 (Part 2-5):2016 BDS IEC 60884 (Part 2-6):2016 BDS IEC 60884 (Part 2-7):2016
175.	Electrical Accessories – Circuit-breakers for Overcurrent Protection for Household and Similar Installations Part-1: Circuit-breakers for AC Operation	BDS IEC 60898-1:2016
176.	Ballast for Tubular Fluorescent Lamps – Performance Requirements	BDS IEC 60921:2005
177.	Electronic Ballasts for Tubular Fluorescent Lamps – Performance Requirements	BDS IEC 60929:2005
178.	Electricity Metering Equipment (ac) – Particular Requirements – Part-11: Electromechanical Meters for Active Energy (Class 0.5, 1 and 2)	BDS IEC 62053 (Part 11):2013
179.	Electricity Metering Equipment (ac) – Particular Requirements – Part-21: Static Meters for Active Energy (classes 1 and 2)	BDS IEC 62053 (Part 21):2013
180.	Electricity Metering – Payment Systems Part: 31 Particular Requirement – Static Payment Meters for Active Energy (Classes 1 and 2)	BDS IEC 62055-31:2017
181.	Self-ballasted LED Lamps for General Lighting Services with Supply Voltage >50 V – Performance Requirements	BDS IEC 62612:2015

List of Imported 54 Products brought under mandatory certification before Customs clearance

A. Food Products (23 Items)

Sl.	Name of the products	Standards NO
1	Milk Powders and Cream Powder	BDS CAC 207: 2008 Amend- 1;2009
2	Fruit Cordial	BDS 508:2006 (2nd Revision)
3	Biscuit	BDS 383:2001 (2 nd Revision)
4	Sauce (Fruit & Vegetable)	BDS 512:2007 (1 st Revision)
5	Lozenges	BDS 490:2014 (3 rd Revision)
6	Tomato Ketchup	BDS 530:2002 (2 nd Revision)
7	Jams (Fruit Preserves) Jelly and Marmalade	BDS CAC: 296:2014
8	Carbonated Beverages	BDS 1123:2013 (3 rd Revision)
9	Infant Formula and Formulas for Special Medical purposes intended for Infants	BDS CAC-72: 2008
10	Fortified Soybean Oil	BDS 1769:2014 (1 st Revision)
11	Soft Drink Powder	BDS 1586:2007 (1 st Revision)
12	Sugar	BDS CAC 212:2006
13	Instant Noodles	BDS 1552:2015 (2 nd Revision)
14	Fruit or vegetable Juice	BDS 513:2013 (3 rd Revision)
15	Edible Sun Flower Oil	BDS 1773: 2016 (1 st Revision)
16	Chips/Crackers	BDS 1556:2017 (1 st Revision)
17	Toffees	BDS 1000:2001 (1 st Revision)
18	Honey	BDS CAC 12:2007
19	Processed Cereal based Foods for Infants and young children	BDS CAC 074: 2007
20	Dextrose monohydrate.	BDS CAC 8:2007
21	Liquid Glucose (Glucose syrup)	BDS CAC 9:2006
22	Mosquito coil	BDS 1089 :2007 (2 nd Revision)
23	Black tea definition and basic requirements	BDS ISO 3720:2008

B. Chemical Products (14 items)

Sl. No	Name of the products	Standards NO.
24	Coconut Oil	BDS 99:2007 (2 st Revision)
25	Skin Creams	BDS 1382: 2015 (2 st Revision)
26	Tooth Paste	BDS 1216: 2012 (2 st Revision)
27	Skin Powder	BDS 1337:2015 (1 st Revision)
28	Shampoo surfactant based	BDS 1269: 2014 (2 nd Revision)
29	Lipstick	BDS 1424:1993, Amend 1,2 :2006
30	Toilet Soap	BDS 13:2006, (3 rd Revision) Amend 1: 2008
31	After Shave Lotion	BDS 1524:2006 (1 st Revision)
32	Ceramic Tableware	BDS 485:2000 (2 nd Revision) Amend 1,2,3:2006

33	Hair oil	BDS 1339:1991 Amend 1:2006
34	Writing and Printing Papers	BDS 405:2012 (2 nd Revision)
35	Newsprint	BDS 845:2012 (2 nd Revision)
36	Pencil	BDS 330:1993 (1 st Revision) Amend 1:2006
37	Ball point pens	BDS 1384:2002 (1 st Revision)

C. Textile Product (2) Items

Sl.	Name of the products	Standards No
38	Polyester Blend Suiting	BDS 1175:2011 (2 nd Revision)
39	Polyester Blend Shirting (Market Varieties)	BDS 1148:2011(2 nd Revision)

D. Electrical & Electronic Products (09) Items

Sl.	Name of the products	Standards No
40	Primary Batteries:	
	a) Part-1 General	BDS IEC 60086 (Part-1):2005
	b) Part-2 Physical and Electrical Specification	BDS IEC 60086 (Part-2):2005
	c) Part-3 Watch Battery	BDS IEC 60086 (Part-3):2005
	d) Part -4 Safety of Lithium batteries	BDS IEC 60086 (Part-4):2005
	e) Part-5 Safety of Batteries with Aqueous Electrolyte	BDS IEC 60086 (Part-5):2005
41	Performance & Construction of Electric circulating Fans & Regulators (Ceiling & Deck head fans, pedestal fans & table/cabin fans with in-built regulators)	BDS 818:1998 (1 st Revision) Amend 1: 2006
42	Switches for household and similar fixed electrical installation Part 1- General requirements	BDS IEC 60669-1:2007
43	Double- capped Fluorescent Lamps performance Requirements	BDS IEC 60081 :2006
44	Ballast for Fluorescent Lamps Performance Requirements	BDS IEC 60921:2005
45	Plugs and socket-outlets for household and similar purposes– Part1: General requirements	BDS IEC 60884 (Part 1):2016
	Part 2-1: Particular requirements for fused plugs	BDS IEC 60884 (Part 2-1):2016
	Part 2-2: Particular requirements for socket-outlets for appliances	BDS IEC 60884 (Part 2-2):2016
	Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations	BDS IEC 60884 (Part 2-3):2016
	Part 2-4: Particular requirements for Plugs and for SELV	BDS IEC 60884 (Part 2-4):2016
	Part 2-5: Particular requirements for adaptors	BDS IEC 60884 (Part 2-5):2016
	Part 2-6: Particular requirements for switched socket-outlets without interlock for fixed installation	BDS IEC 60884 (Part 2-6):2016
Part 2-7: Particular requirements for cord extension se	BDS IEC 60884 (Part 2-7):2016	

46	Electronic Type Fan Regulators	BDS 1323:1991, Amend 1: 2006
47	Self-Ballasted Lamps for General Lighting Services- Performance Requirements	BDS 1734:2003
48	Lead acid starter batteries a) Part-1 General requirements and methods of test b) Part - 2 Dimensions batteries and dimension and marking of terminal c) Part 3 Dimensions of batteries for heavy commercial vehicles	BDS 206 Part-1:2002 BDS 206 Part 2:2002 BDS 206 Part 3:2002

E. Engineering Products (06) Items

Sl.	Name of the products	Standards No
49	Safety razor blades	BDS 219:2002
50	Portable fire extinguisher	BDS 825:1991 (1 st Revision) Reaffirmed 2007
51	Sanitary ware appliances	BDS 1162:2014 (3 rd Revision)
52	G P Sheet (with Corrugation)	BDS 1122:1987 Reaffirmed 2007
53	Ceramic Tiles- definitions, Classifications characteristics & marking	BDS ISO 13006: 2015
54	Cement -Part :1 Composition, Specifications and Conformity criteria for common Cement	BDS EN 197-1:2003 Reaffirmed 2010

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