

Annual Report 2024-2025



Government of the People's Republic of Bangladesh
Ministry of Industries
Bangladesh Standards and Testing Institution (BSTI)



ANNUAL REPORT 2024-2025

Published by:

Bangladesh Standards and Testing Institution (BSTI)

Maan Bhaban

116/A, Tejgaon Industrial Area

Dhaka-1208

Bangladesh.

Published on: August, 2025.

All rights reserved by BSTI.



Advisor
Ministry of Industries
The People's Republic of Bangladesh

MESSAGE

MESSAGE

It is my pleasure to share this message on the occasion of publishing the Annual Report of the Bangladesh Standards and Testing Institution (BSTI) for the fiscal year 2024-2025. As the national authority for standardization, metrology, testing, and certification, BSTI plays a vital role in ensuring the quality, safety, and accuracy of goods and services across the country. In addition, BSTI is entrusted with regulating and enforcing weights and measures, a responsibility that upholds fairness in trade and protects consumer interests.

During the past year, BSTI has achieved notable progress in strengthening institutional capacity, enhancing laboratory services, and widening regulatory outreach. These initiatives reflect the institution's commitment to aligning its work with our national vision of building a smart and industrially advanced Bangladesh.

I extend my sincere appreciation to the leadership and staff of BSTI for their dedication and contributions. This report not only showcases the achievements of the past year but also demonstrates BSTI's drive for excellence and innovation. Looking ahead, I am confident that the institution will continue to play a decisive role in advancing a green and sustainable industrial base in Bangladesh.

(Adilur Rahman Khan)



Senior Secretary
Ministry of Industries
The People's Republic of Bangladesh

MESSAGE

It gives me great pleasure to know that the Bangladesh Standards and Testing Institution (BSTI) is publishing its Annual Report 2024–2025, showcasing its activities and performance over the past year. I extend my heartfelt thanks to everyone who worked tirelessly behind the scenes to bring out this important publication.

As the national standards body, BSTI has been the cornerstone in ensuring the quality, safety, and standardization of goods and services across Bangladesh. In recent years, the institution has raised the bar by establishing several state-of-the-art laboratories. The inauguration of the National Halal Laboratory is a milestone that opens new doors for Bangladeshi entrepreneurs in the global Halal market, while the Advanced Helmet Testing Laboratory reflects BSTI's commitment to public safety by ensuring that protective gear meets the highest quality benchmarks. These initiatives speak volumes about BSTI's determination to modernize its infrastructure and deliver services that meet global standards.

Beyond infrastructure, BSTI's field-level activities such as mobile courts and market surveillance have been instrumental in weeding out substandard and adulterated products, thereby safeguarding public health and boosting consumer confidence. I believe BSTI will continue to move from strength to strength by embracing innovation, expanding its laboratory facilities, and keeping pace with international best practices. The Ministry of Industries stands firmly beside BSTI in this journey. I wish this Annual Report 2024–2025 a wide circulation and trust it will serve as a testament to the institution's commitment to national progress. Long live Bangladesh.

Long live Bangladesh.

(Md. Obaidur Rahman)



Preface

It gives me immense pleasure to present the Annual Report of the Bangladesh Standards and Testing Institution (BSTI) for the financial year 2024-2025. This report comprehensively documents BSTI's activities, achievements, challenges, and future strategies in upholding national standards, ensuring product quality, and safeguarding consumer interests in alignment with Bangladesh's socioeconomic development goals.

The past year has been dynamic and transformative for BSTI. We have made significant strides in strengthening national standardization, enhancing product conformity assessment, expanding metrology services, and intensifying market surveillance against adulterated and substandard products. The BSTI Certification Mark" remains not just a symbol, but a testament to consumer trust and product reliability across the nation.

To embrace the challenges of the Fourth Industrial Revolution (4IR), we prioritized digitalization, modernized testing laboratories, streamlined e-certification processes, and invested in capacity-building for our workforce. Additionally, BSTI continued to support export promotion by ensuring international compliance for Bangladeshi products, boosting global competitiveness. BSTI has now established a Helmet Testing Lab and a Halal Lab. Consequently, this will aid in ensuring product quality standards and boosting exports of Halal products to the international market. BSTI currently provides Halal Certificates and Different Management Systems Certificates as per different ISO Standards. BSTI are the only Government certification body in Bangladesh providing this service. Among its laboratory facilities, the Gold Testing Lab is also prominent. The purity of gold can now be determined within a short time

Despite progress, challenges persist — including the need for broader market monitoring, stricter enforcement against counterfeit products, and nationwide expansion of BSTI services. We remain steadfast in our commitment to advancing quality infrastructure to support the national vision.

I extend my deepest gratitude to BSTI's dedicated officers and staff, the Ministry of Industries, industry stakeholders, consumer rights organizations, and development partners for their unwavering support and collaboration. This report reflects BSTI's accountability and transparency in serving the nation. I trust it will serve as a valuable resource for policymakers, researchers, industry leaders, and citizens alike.

S M Ferdous Alam
Director General (Grade-1)

CONTENTS

Chapter	Subjects	Page Number
	Acronyms	08
Chapter-1	Introduction	09
	Vision-Mission	10
	Brief History of BSTI	11
	Laws and Rules Governing BSTI	11
	Functions of BSTI	12
	Organs of BSTI	13
	BSTI Council	13
	The Director General and Staff	15
	BSTI Offices	16
Chapter-2	Wings of BSTI and Their Functions	18
	1.0 Standards Wing	19
	1.1 Nature of Standards	19
	1.2 Standardization principles	20
	1.3 Steps of Standardization	20
	1.4 Current scope of standardization	21
	1.5 Technical Committees	21
	1.6 Bilateral relationship	23
	1.7 Library and media	24
	2.0. Physical Testing Wing	26
	2.1 Civil, Physical and Mechanical Engineering Division	26
	2.2 Electrical, Electronics and Engineering Division	26
	2.3 Textile Testing Division	30
	2.4 Activities of Physical Testing Wing	31
	3.0. Chemical Testing Wing	32
	3.1 Food and Bacteriology Division	33
	3.2 Chemical Division	34
	3.3 Instrumental Laboratories	35
	3.4 National Halal Laboratory	35
	3.5 Innovative Work of Chemical Testing Wing	36
	3.6 Accreditation Status of Chemical Testing Wing	36
	3.7 Activities of Chemical Testing Wing	36
	4.0 Metrology Wing	37
	4.1 Role of Metrology in BSTI and Bangladesh –in Brief	37
	4.2 Scope of Work in Legal Metrology	37
	4.3 Future Plan for Metrology in Bangladesh	37
	4.4 Regional and International Membership	38
	5.0 Certification Marks (CM) Wing	39
	5.1 Procedure of Certification Marks License	39
	5.2 Procedure of Import Clearance for Imported Products	42
	5.3 Procedure of Halal Certification	42
	5.4 Accreditation of Product Certification Scheme (PCS)	43
	5.5 CM Licence and Digital Platform	43
5.6 Consumer Protection	43	
5.7 Special Activities	44	
5.8 Consumer Awareness Building Activities	44	
5.9 Statistics of CM Activities	45	

Chapter	Subjects	Page Number
	6.0 Management System Certification (MSC) Wing	46
	6.1 Activities	46
	6.2 List of Management Systems Certified Clients	46
	6.3 Process Flow Chart of MSC	52
	7. Administration Wing	53
	7.1 Budget	53
	7.2 Training and Visit	53
	8.0 Achievment and on-going Development Activities	58
	8.1 APA Implementation	58
	9.0 Development Project of BSTI	59
	10.0 BSTI's Modern 10 Storied Building and State of Art Laboratories in Chattogram and Khulna: A Boosts for Trade and Indutry	62
Chapter – 3	Right to Information (RTI)	64
	List of Designated Officers for RTI as per Right to Information Act, 2009	65
	Appellate Authority	66
	RTI Activities in July 2023- June 2024	66
Chapter – 4	Photo Gallery	67-99

Acronyms

APMP	Asia-Pacific Metrology Program
ASTM	American Society for Testing and Materials
BAB	Bangladesh Accreditation Board
BARC	Bangladesh Agricultural Research Council
BCA	Bilateral Cooperation Agreement
BCSIR	Bangladesh Council of Scientific and Industrial Research
BDS	Bangladesh Standards
BDSI	Bangladesh Standards Institution
BFSA	Bangladesh Food Safety Authority
BIPM	International Bureau of Weights and Measures
BSTI	Bangladesh Standards and Testing Institution
CAB	Consumers Association of Bangladesh.
CAC	Codex Alimentarius Commission
CM	Certification Marks
CML	Chemical Metrology Laboratories
CTL	Central Testing Laboratories
DFTQC	Department of Food Technology and Quality Control
DNCRP	Directorate of National Consumer Rights Protection
EN	European Norms
EPB	Export Promotion Bureau
FBCCI	The Federation of Bangladesh Chambers of Commerce and Industry
FSSAI	Food Safety and Standards Authority of India
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ITU	International Telecommunication Union
MoU	Memorandum of Understanding
MRA	Mutual Recognition Arrangement
MSC	Management Systems Certification
NA	Norwegian Accreditation
NABCB	National Accreditation Board for Certification Bodies
NABL	National Accreditation Board for Testing and Calibration Laboratories
NML	National Metrology Laboratories
NQI	National Quality Infrastructure
NSB	National Standards Body
OIC	Organisation of Islamic Cooperation
OIML	International Organization of Legal Metrology
RTI	Right To Information
SARSO	South Asian Regional Standards Organization.
SMIIC	The Standards and Metrology Institute for Islamic Countries
TBT	Technical Barriers to Trade
TCP	Technical Cooperation Program
UNIDO	United Nations Industrial Development Organization
WTO	World Trade Organization

Chapter – 1

Introduction

Vision and Mission of BSTI

Vision



Developing the Institution to formulate and implement the standards and ensuring correct weights and measures.

মান প্রণয়ন ও বাস্তবায়ন এবং সঠিক ওজন ও পরিমাপ নিশ্চিতকরণে যুগোপযোগী প্রতিষ্ঠান হিসেবে গড়ে তোলা।

Mission



To support the expansion of domestic and international trade and to protect the interest of consumers and stakeholders through formulating and implementing standards of products & services and ensuring correct weights and measures.

পণ্য ও সেবার মান প্রণয়ন, বাস্তবায়ন এবং পণ্যের সঠিক ওজন ও পরিমাপ নিশ্চিতকরণের মাধ্যমে আন্তর্জাতিক ও আঞ্চলিক মানদণ্ডে উন্নীতকরণ এবং ভোক্তা ও অংশীজনের স্বার্থ রক্ষা করে দেশীয় ও আন্তর্জাতিক বাণিজ্যে সহায়তা প্রদান।

Brief History of BSTI

In 1955, 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. The Government abolished the Central Testing Laboratories and the Bangladesh Standards Institution and established Bangladesh Standards and Testing Institution (BSTI) as an autonomous body by promulgating the Ordinance of 1985.

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. The Department of Agriculture Grading and Marketing was abolished and merged with BSTI in 1995. Bangladesh Standards and Testing Institution Act, 2018 and the Standards of Weights and Measures Act, 2018 have been enacted by repealing above two ordinances.

Laws and Rules Governing BSTI

আইন	Act
বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন আইন, ২০১৮	The Bangladesh Standards and Testing Institution Act, 2018.
ওজন ও পরিমাপ মানদণ্ড আইন, ২০১৮	The Standards of Weights and Measures Act, 2018
বিধিমালা	Rules
পণ্য মোড়কজাতকরণ বিধিমালা, ২০২১	Package Commodities Rules, 2021.
বাংলাদেশ স্ট্যান্ডার্ডস অব ওয়েটস এন্ড মেজার্স রুলস, ১৯৮২ (সংশোধিত, ২০১৫)	The Bangladesh Standards of Weights and Measures Rules, 1982 (Revised 2015).
দি কম্পিউটার পার্সোনেল রিক্রুইটমেন্ট রুলস, ১৯৮৫	The Computer Personnel Recruitment Rules, 1985.
প্রবিধানমালা	Regulations
বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন প্রবিধানমালা, ২০২২।	The Bangladesh Standards and Testing Institutions Regulations, 2022.
বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন (ম্যানেজমেন্ট সিস্টেমস সার্টিফিকেশন) প্রবিধানমালা, ২০০৯।	The Bangladesh Standards and Testing Institution (Management Systems Certification) Regulations, 2009.
বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন কর্মচারী (অবসরভাতা ও অবসরজনিত সুবিধাদি) প্রবিধানমালা, ২০০২।	The Bangladesh Standards and Testing Institution Employees (Pension and Retirement Benefits) Regulations, 2002.
বাংলাদেশ স্ট্যান্ডার্ডস এন্ড টেস্টিং ইনস্টিটিউশন কর্মচারী চাকুরি প্রবিধানমালা, ১৯৮৯ (এ্যামেন্ডমেন্ট, ২০০৫)।	The Bangladesh Standards and Testing Institution Employee's Employment Regulations, 1989.

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 developing the Bangladesh Standards for the measurement of length, weight, mass, volume, and energy;
- (c) to promote standardization, quality control, metrology and simplification in industry and commerce;
- (d) to ensure that the Bangladesh Standards developed by the Institution are implemented/ followed by the producers and users;
- (e) to implement Bangladesh Standards through the administration of the certification mark scheme or inspection of goods or both;
- (f) to issue Halal Certificate and Management Systems Certificate to promote trade and commerce from Bangladesh;
- (g) to provide or arrange facilities for examination, testing and inspection of products, systems and process for any investigation, research or promotion of export that may be necessary and to issue test report.
- (h) to certify the quality of products, materials, produces and other things including food materials, whether for local consumption, export or import;
- (i) 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;
- (j) 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;
- (k) To recognize, adopt or endorse any other standards in relation to any article or process developed by other institutions in Bangladesh or any foreign country, or by international organizations as Bangladesh Standards, in such manner as may be prescribed in the regulation;
- (l) To specify a Standard Mark to be called the Bangladesh Standards and Testing Institution Certification Mark which shall be of specified design and containing elements as prescribed by the regulation to represent a Bangladesh Standard;
- (m) To grant, renew, reject, suspend or cancel license by the specified procedure prescribed in the regulation for the use of Standard Mark;
- (n) 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 Standards or whether the Standard Mark has been improperly used in relation to any article or process with or without license;
- (o) 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;
- (p) 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;
- (q) To undertake execution of any trust or any agency business which it may consider conducive to the attainment of its objectives;
- (r) To fulfill the establishment of the institution, cooperate with any person, association, or organization outside Bangladesh;
- (s) For the purpose of export to 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. and
- (t) 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 Director General and Staff

a) BSTI Council

The general direction and administration of the affairs and functions of the Institution is vested with BSTI Council as per the provision of Bangladesh Standards and Testing Institution Act, 2018. Council exercise all powers and perform all functions as per the provision of the Act. The Council shall, in discharging its duties, be guided by such instructions as may be given to it by the Government from time to time.

Member List of BSTI Council (as per BSTI Act, 2018)

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 of Police, Bangladesh Police	Member	6	Chief Editor/Managing Director, Bangladesh Shangbad Sangstha	Member
7	Chief Information Officer Ministry of Information and Broadcasting	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 & Livestock	Member	4	Finance Division	Member
5	Ministry of Commerce	Member	6	Posts and Telecommunication Division	Member
7	Health Services Division	Member	8	Energy and Mineral Resources Division	Member
9	Legislative and Parliamentary Affairs Division	Member	10	Ministry of Information and Broadcasting	Member
11	Ministry of Jute & Textile	Member	12	Public Security Division Ministry of Home Affairs	Member
13	Ministry of Public Administration	Member			

Part-2 (Head of the Organization/Institution)

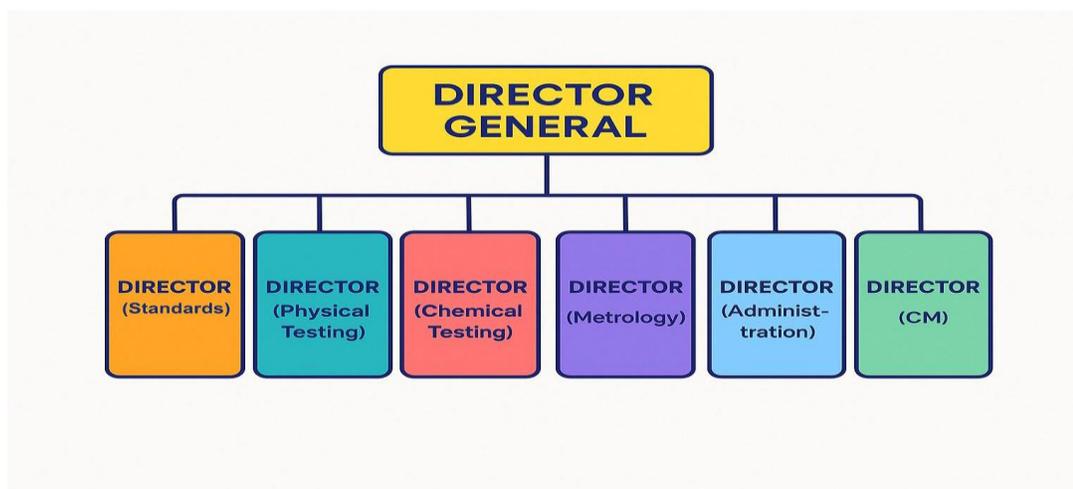
Sl.	Designation, Organization	Position in Council	Sl.	Designation, Organization	Position in Council
1	President The Federation of Bangladesh Chamber of Commerce & Industry	Member	2	Chairman Bangladesh Food Safety Authority	Member
3	Director General Department of National Consumer Rights Protection	Member	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	Member	8	President Bangladesh Chamber of Industries	Member
9	President Bangladesh Shop Owners Association	Member			

Part-3 (Head of the Organization/Institution)

Sl.	Designation, Organization	Position in Council	Sl.	Designation, Organization	Position in Council
1	Chairman Bangladesh Council of Scientific and Industrial Research	Member	2	Chairman Bangladesh Atomic Energy Commission	Member
3	Vice Chancellor Bangladesh University of Engineering and Technology	Member	4	Vice-Chairman Export Promotion Bureau	Member
5	Executive Chairman Bangladesh Agricultural Research Council	Member			

c) 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 7 (seven) wings. Each wing is headed by a Director. The wings are:



There are 26 Divisions/Sections/Cells under 7 wings

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

BSTI Offices	
<p>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:</p> <p style="text-align: center;"><u>Head Office</u></p> <p>Bangladesh Standards and Testing Institution Maan Bhaban, 116/A, Tejgaon Industrial Area, Dhaka-1208. Fax : 88-02-55030092 E-mail : dg@bsti.gov.bd, bsti@bangla.net Website : www.bsti.gov.bd Phone : +8802-55030054, +8802-55030069, +8802-55030080, +8802-55030076, +8802-55030083, +8802-48116665 Hotline : 16119</p>	
<u>Divisional Offices</u>	
<p>Divisional Metrology Inspectorate 116/A, Tejgaon Industrial Area Dhaka-1208. Phone : 8870300 Fax: 88 02 8870676 E-mail: bsti_dmi@bangla.net</p>	<p>BSTI Divisional Office, Rajshahi Bipass Road, Nawdapara, Sapura,Rajshahi. Phone: 0721-861397, 0721-561398 E-mail: bsti_raj@yahoo.com</p>
<p>BSTI Divisional Office, Chattogram Jamburi Ground, Agrabad, Chattogram Phone: 031-721137 E-mail: bsti_ctg@bnsibd.net bstictg4100@gmail.com</p>	<p>BSTI Divisional Office, Barishal BSCIC Industrial Park Kaunia,Barishal Phone: 0431-65176 E-mail: bsti_barisal@gmail.com</p>
<p>BSTI Divisional Office, Khulna 62, Old Jessore Road Khalishpur,Khulna Phone: 041-762152, 041-761542 E-mail: bsti_khulna@yahoo.com</p>	<p>BSTI Divisional Office, Sylhet BSCIC Industrial Park Khadimnagar, Sylhet Phone: 0821-2870935 E-mail: bsti_sylhet@gmail.com</p>
<p>BSTI Divisional Office, Rangpur R. K. Road, Ganeshpur Post: Sadar, Rangpur-5400 Phone: 0521-56661 E-mail: bstirangpur@gmail.com</p>	<p>BSTI Divisional Office, Mymensingh Kismot, Rahmotpur, Sadar Mymensingh. Phone: 01711160811 E-mail: bstimymensingh@gmail.com</p>
<u>District Offices</u>	
<p>BSTI District Office, Cumilla Batabaria Dhaka-Chattogram Highway Road Halima Nagar, South Sadar Cumilla-3502. Phone: 0173925827 E-mail: bsticomilla@gmail.com</p>	<p>BSTI District Office, Faridpur BSCIC Industrial Area Kanaipur Faridpur-7801. Phone: 01712000079 E-mail: bsti.faridpur@gmail.com</p>
<p>BSTI District Office, Cox's Bazar Plot: 4-5, New Circuit House Road Cox's bazar Phone: 02-51060137 E-mail: bsticox@gmail.com</p>	

Regional Offices			
1	BSTI Regional Office, Gopalganj Circuit House Road, Sonakur, Ward No-14, Sadar, Gopalganj. Phone: 01721868864/01332825326 E-mail: gosh2_met@bsti.gov.bd	6	BSTI Regional Office, Narshingdi 235, Sultan Tower, West Brahmondi, Narshingdi (Opposite of Narshingdi Central College) Phone: 01332825448 E-mail: km.hanif@bsti.gov.bd
2	BSTI Regional Office, Jessore 2660, Raja Baroda Kanta Road, Chachra Dalmil, Jessore-Benapol Sarak, Jessore Phone: 01332825406 E-mail: aslam.bsti@yahoo.com	7	BSTI Regional Office, Naogaon Muktijoddha Complex, Bus Stand, Naogaon Phone: 01332825435 E-mail: bstinaogaon@gmail.com
3	BSTI Regional Office, Noakhali Holding: 850/01, Dotter Dokkhin Bazar, Main Road, Sonapur, Noakhali Phone: 01332825424 E-mail: shaikhbillah76@gmail.com	8	BSTI Regional Office, Kustia 63/3, Kustia-Jhinaidah Road, Chourhas More, Kustia Phone: 01712541461/01332825413 E-mail: bstikustia10@gmail.com
4	BSTI Regional Office, Patuakhali Talukdar Manshion, Holding No: 337 Kalikapur, Potuakhali Phone: 01332825418 E-mail: mursaleen_std@bsti.gov.bd	9	BSTI Regional Office, Dinajpur 869, Nimnagar, Fulbari Bus Stand, Dinajpur Phone: 01712274083/01332825442 E-mail: habib90186.bsti@gmail.com
5	BSTI Regional Office, Gazipur G-159 (7 th Floor), West Side of Rajdighi Joyjebpur, Gazipur Phone: 01332825453 E-mail: bstigazipur2024@gmail.com	10	BSTI Regional Office, Pabna 1373, PI Road, Radhanagar, Pabna Phone: 01332825429 E-mail: isratzbsti@gmail.com

Chapter – 2

Wings of BSTI and Their Functions

1.0 Standards wing

Bangladesh Standards and Testing Institution (BSTI) is the national standards setting body (NSB) of the government under Ministry of Industries. Standards wing is the core wing of the institution which responsible to develop national standards based on consensus. BSTI engages more than 1500 technical, business, academic, government, researcher and community experts to form technical committees. Standards wing of the institution is also maintaining membership of international standards organization particularly ISO, Codex, IEC, SARSO and SMIIC.

1.1 Nature of standards

Standards are voluntary in nature unless specified in contracts, there is no requirement for the public to confirm to standards. However, Government may refer to standards in the legislation. When this happens, these standards can become mandatory and demonstrating compliance with the law. BSTI has developed more than 4700 national standards. Among these government has declared 315 products under mandatory certification scheme as technical regulation. In the last FY, government has extended the number of mandatory certification scope by inclusion of 30 products are as follows:

S. No.	Number and title of the standard
01	BDS 657:2015 Baking Powder, (1st Rev.)
02	BDS 1074:2017 Bread Rolls, (1st Rev.)
03	BDS 1226: 2015 Custard Powder, (1st Rev.)
04	BDS 1503:2011 Mayonnaise, (1st Rev.)
05	BDS 1565: 2017 Besan, (1st Rev.)
06	BDS 1933:2017 Sucralose, Food Grade
07	BDS 1996:2022 Pastry
08	BDS 1997:2022 Quick-Frozen French-Fried Potatoes
09	BDS 2015:2023 Virgin Coconut Oil, Amd-1:2024
10	BDS 2032: 2024 Electrolyte Drinks (Sports Drinks)
11	BDS CAC 32:2008 Margarine
12	BDS CXS 33:2008 Olive Oils and Olive Pomace Oils
13	BDS CXS 250: 2022 A Blend of Evaporated Skimmed Milk and Vegetable Fat
14	BDS CXS 281: 2023 Evaporated Milks
15	BDS CXS 289:2023 Whey Powders
16	BDS JECFA-INS 960: 2014 Steviol Glycosides
17	BDS IEC 60350-2:2024 Household electric cooking appliances –Part 2: Hobs – Methods for measuring performance
18	BDS IEC 60335-2-5:2024 Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers
19	BDS IEC 60335-2-7:2024 Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines
	BDS IEC 60456:2014 Clothes washing machines for household use – Methods for measuring the performance
20	BDS IEC 60335-2-14:2024 Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines
21	BDS IEC 60335-2-31:2024 Household and similar electrical appliances – Safety – Part 2-31: Particular requirements for range hoods and other cooking fume extractors
22	BDS 1122:2025 Specification for Galvanized Steel Sheets, Coils and corrugated sheets (2nd Revision)
23	BDS EN 12546-1:2024 Materials and articles in contact with foodstuffs — Insulated containers for domestic use — Part 1: Specification for vacuum ware, insulated flasks and jugs
24	BDS EN 12546-2:2024 Materials and articles in contact with foodstuffs — Insulated containers for domestic use — Part 2: Specification for insulated bags and boxes
25	BDS EN 12546-3:2024 Materials and articles in contact with foodstuffs — Insulated containers for domestic use — Part 3: Specification for thermal packs
26	BDS 1955: 2018 Bed Mattress
27	BDS 1485: 2012 Printed Silk Saris

28	BDS 2020:2023 Colour Pencils
29	BDS ISO 27668-1:2019 Gel ink ball pens and refills – Part 1: General use

1.2 Standardization principles

BSTI follows WTO-TBT rules during national standardization. Basic principles of national standardization are as follows:

- a) Transparency;
- b) Openness;
- c) Consensus and impartiality;
- d) Market relevance and effectiveness;
- e) Coherence;
- f) Development dimension.

a) Transparency

In general, transparency is being clear and open about rules, plans, processes and actions, i.e. getting to know why, how, what, and how much. This means that in the standardization world, officials, managers and technical committee members act in a manner that is visible and comprehensible, and report on their activities so that people outside the system are able to hold that inside to account.

b) Openness

Openness is about collaboration that enriches the process to develop better content. An open system is one in which participation is expanded to include a wide and relevant audience, as well as developing an inclusive document or strategy that is more likely to be accepted by a wider audience.

c) Impartiality and Consensus

Impartiality is also called even-handedness or fair-mindedness. Impartiality is a principle holding that decisions should be based on objective criteria, rather than bias, prejudice or preferring the benefit to one person over another for improper reasons. Impartiality leads to the consideration all alternatives in an objective way, i.e. without partiality or undue external influence.

On the other hand, consensus is defined as general agreement and absence of sustained opposition. An important outcome of this definition is that consensus need not imply unanimity.

d) Effectiveness and Relevance

Standards to be relevant and to effectively respond to regulatory and market needs, consider scientific and technological developments in various countries, facilitate international trade and prevent unnecessary trade barriers.

e) Coherence

It is important that standardizing body avoid duplication of, or overlap with, the work of other international standards-bodies, in order to avoid the development of conflicting International Standards. In this respect, cooperation and coordination amongst relevant international bodies is essential.

f) Development dimension

At the national level, BSTI engages all parties who are interested in development of national standards and offer them special support to enhance their participation in the standards development process. Special attention delivers to interested, yet underrepresented parties. In this respect, it is important to consider the scope of the standard and the impact it may have on various groups in the community (including underrepresented groups such as the elderly and young persons, women, consumers, small business, and those who are physically impaired) in order to provide relevant differential treatment to facilitate participation. Furthermore, to improve the accessibility of information regarding standardization activities for those who are underrepresented, it is also important to consider how drafts and finalized documents are disseminated, so that the information can reach as wide a range of stakeholders as possible.

1.3 Steps of standardization

BSTI follows 06 (six) steps of process for the development of national standards. Revision of existing standard follows the similar process. The process starts from a formal proposal and end at publication of a final version. The process circle is as follows systematic order:

1. Proposal stage;
2. Preparatory stage;
3. Committee stage;
4. Commenting stage;
5. Approval stage;

6. Publication stage;

1.4 Current scope of standardization

Institution's current fields for standardization are as follows:

- i) Agriculture and food products;
- ii) Chemical and cosmetics products;
- iii) Engineering (civil and mechanical) products;
- iv) Electrical and electronics products;
- v) Halal food products and service;
- vi) Jute, textile and personal care products

1.5 Technical Committees

BSTI has two tires committee for standardization. There are 6 (six) major fields for standardization managed by the divisional committees. The divisional committees are playing a role of managerial activities like approval of technical committees and its work and scope. Under these divisional committees, there are 80 technical committees which are responsible for drafting and making recommendation of national standards in the respective field.

BSTI brings together the community experts to form technical committees. Technical experts are the heart and soul of Bangladesh standards and contribute as volunteer. Institution plays an impartial role and support to the technical committee(s) as a secretary in national standardization.

Existing Technical Committees of the Institution for standardization

S. No.	Name of the Technical Committee	Area
01	Cereals, Pulses and their Products	Agriculture and Food
02	Oilseeds and their Products	
03	Milk and Milk Products	
04	Fish and Fisheries Products	
05	Meat, Poultry and their Products	
06	Spices and Condiments	
07	Tea and Coffee	
08	Sugar and Sugar Industries Products	
09	Animal Feeds	
10	Fruits, Vegetables and their Derived Products	
11	Starch, Derivatives and their By-products	
12	Forest Products	
13	Food Additives	
14	Pesticides Products	
15	Tobacco and Tobacco Products	
16	Soft Drinks and Beverages	
17	Irradiated Food Products	
18	Bakery and Confectionary Products	
19	Food Hygiene and Safety Management	
20	Halal Food Products	
21	Food Packaging and Labeling	
22	Dietary and Nutrition	
23	Mycotoxin and Contaminants	
24	Fine Chemicals	Chemical
25	Rubber and Plastics	
26	Paper, Pulp, Board and Stationery Products	
27	Leather, Footwear and Leather Products	
28	Paints and Allied Materials	
29	Glass and Ceramics	
30	Lubricant and Related Products	
31	Soap and Detergent	
32	Mineral, Fuels and Petroleum Products	

33	Cosmetics and Related Products		
34	Ink and Allied Products		
35	Fertilizer and Allied Products		
36	Oils, Fats and Allied Products		
37	Adhesives		
38	Halal Cosmetics and Chemical Products		
39	Transformers		Electrical and electronics
40	Electric Lamps and Accessories		
41	Switchgear and Protective Devices		
42	Dry Cells and Accumulators		
43	Electric Fans and Appliances		
44	Electric Wires and Cables		
45	Insulators and Insulating Materials		
46	Electronics		
47	Rotating Electrical Machines		
48	Electric Measuring Instruments		
49	Telecommunications		
50	Computer and Computer Related		
51	Information Technology		
52	Conformity Assessment		
53	Power Electronics	Civil engineering	
54	Bricks, blocks, tiles, paving material and related products		
55	Cement and cementing materials		
56	Structural steel section and other products		
57	Pipe and pipe fittings		
58	Sanitary and water appliances		
59	Fire fighting and safety equipments	Mechanical engineering	
60	Metallic sheet, plate ware and allied products		
61	Tools, equipments and measuring instruments		
62	Security item		
63	Pump, engine and agricultural implements		
64	Specialized products and household appliances		
65	Vehicles and fuels		
66	Sports goods	Jute and textiles	
67	Jute products		
68	Woven and other products		
69	Raw jute		
70	Jute mill spares and accessories		
71	Textile test methods		
72	Yarn, rope, twine and cordages		
73	Knit and knit products		
74	Garments products		
75	Silk products		
76	Handloom products		
77	Textiles mills accessories		
78	Capital machineries		
79	Raw cotton and other natural fibres		
80	Man-made fibres and products		

1.6 Bilateral relationship

BSTI has signed around 15 memorandums of understanding (MoU), bilateral cooperation agreement (BCA), technical cooperation programme (TCP) and strategic sector cooperation (SSC) with other countries national standards bodies and organization. In the last fiscal year (2024-2025) BSTI has signed 03 (three) agreement such as follows:

S. No.	Parties	Nature of the agreement	Date of signing
01	BSTI and Danish Veterinary and Food Administration (DVFA)	Strategic Sector Cooperation (SSC) on Food and Agriculture	20 th November 2024
02	BSTI and CLASP	MoU	8 th October 2024
03	BSTI and GOST R, Russian Federation	MoU	25 th September 2024



MoU signing ceremony between BSTI and GOST R, Russian Federation



SSC project signing ceremony between BSTI and DVFA on 20th November, 2024

1.7 Library and media

BSTI has a library and media cells which keeps all published national standards, other countries national standards and international standards and publication. Library makes available all published standards to public. The editor from the library and media cell communicates with print and electronic media. The editor and his team coordinate to celebrate World Standards Day and World Metrology Day each year at nationwide.

BSTI and Codex



Training on importance of Codex and enhancing participation on 12th September, 2024

Bangladesh is the member of Codex Alimentarius Commission (CAC) since 1975 and BSTI is playing a role of national codex contact point (NCCP). Bangladesh became a member of Codex according to recommendation of 21st Executive Committee of Codex (CCEXEC) meeting and a decision of 11th meeting of the commission. This year BSTI will celebrate the golden jubilee of the Bangladesh-Codex relationship. Bangladesh has an advisory committee with the name of national codex committee (NCC) which consists of 18 members. BSTI has several sub-committees under national codex committee align with subject matter committee of Codex Alimentarius Commission.

Although BSTI is one of the oldest members of Codex, but participation in the Codex standardization is not significant. BSTI has taken some initiative to increase sustainable participation in Codex activities. As a national Codex contact point BSTI develop a national strategy to increase Bangladesh participation in Codex and more engagement of relevant stakeholders. Bangladesh actively participated in 46th and 47th session of the Codex Alimentarius Commission and contributed to reach consensus on some dispute. Last year Bangladesh participated passively in several technical committees' meetings through submission of conference room document.

BSTI organized some events at national level with the engagement of local stakeholders. Last year in 12th September 2024, BSTI organized a daylong training programme with the title of "Importance of Codex and Enhancing Participation". BSTI has taken an initiative of institutional capacity building programme. Under this institutional capacity building programme, BSTI organized first event on 17th May, 2025 with presence of Chairman of Bangladesh Food Safety Authority (BFSA) to motivate them on Codex and its future perspective.



Participation in the 47th Session of Codex in Switzerland on 25-30 November, 2024



Participate in 47th Session of the Codex in Switzerland

2. Physical Testing Wing

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

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

2.1 Civil, Physical and Mechanical Engineering Division:

Civil, Physical and Mechanical Engineering Division performs the functions through the following laboratories:

a) MS Rod Testing Laboratory

In this Laboratory, Tensile Properties, Bend and Re bend Test of MS Rod, MS Plate, MS Angle and other metal products are conducted with Universal Testing Machine (UTM) (Capacity 2000KN & 1000KN) as per relevant standards.



Tensile Properties Test

b) Cement Testing Laboratory

Different type of Cements and Cement Paints Products are tested according to relevant standards in this laboratory using by Compression Testing Machine (Capacity 250 KN) and Automatic Setting Time Machine.



Compressive Strength Test

c) Helmet Testing Laboratory

This is the only laboratory newly established with ultramodern equipments in Bangladesh. In this laboratory the quality of Motor-bike Helmet and Industrial Helmet can be tested as per relevant standards using by Monorail Impact Testing Machine, Dynamic Tester, Rigidity Tester, Detaching Machine, Friction Testing Machine and Chinstrap Testing Machine.



Impact and Penetration Test

d) LPG Cylinder Testing Laboratory

The Hydrostatic Pressure test of LPG Cylinder is conducted as per relevant standards with Hydrostatic Pressure Testing Bench (6 Positions & 1 Position).



Hydrostatic Pressure Test

e) Bricks and Blocks Testing Laboratory

In this Laboratory, Compression Testing Machine (Capacity 2000 KN) and Tensile Splitting Device are used to test Clay Bricks, Hollow Clay Bricks & Blocks, Concrete Paving Blocks and Concrete Masonry Units etc as per relevant standards.



Compressive Strength Test

f) Pipe & Plastics Testing Laboratory

The Hydrostatic Pressure Resistance test of u-PVC Pipe and PE Pipe is conducted as per relevant standards with Hydrostatic Pressure Testing Bench, Impact Tester and Universal Testing Machine (Capacity 50 KN).



Hydrostatic Pressure Test

g) Ceramic Tiles Testing Laboratory

Flexural Strength Tester (Capacity 2000 kg) and Abrasion Tester are used to test Ceramic Tiles according to relevant standards.



Flexural Strength Test

h) Blade Testing Laboratory

This laboratory can perform to test different parameters of safety razor blade and disposable razor blade with Vicker Hardness Tester and Bevel Angle Testing Machine as per relevant standards.



Vicker Hardness Test

i) Paper & Tissue Testing Laboratory

There are Air Permeability Tester, Brightness & Opacity Tester, Bendsten Roughness Tester, Horizontal Tensile Testing Machine (Capacity 100 N), Paper Tensile Tester (Capacity 5kg), Tear Tester and Cobb Tester to test Paper and Tissue as per relevant standards.



Tensile Index Test

j) Sanitary Ware and Tableware Testing Laboratory

Hot Air Oven, Hot Bath, Weight Balance, Autoclave are used to test Sanitary Ware products, Ceramic Tableware products, Melamine Tableware and Glass Tableware are tested as per relevant standards in this laboratory.



Edge Chipping Test & Measurement of Dimensions

Significant Achievement of Fiscal Year 24-25:

- 1) Newly established Helmet Testing Laboratory with ultramodern equipments at BSTI Head Office, Dhaka. This is the only laboratory in Bangladesh.



Helmet Testing Lab Inspection

- 2) Newly established Cement Testing Facilities with ultramodern equipments BSTI Head Office, Dhaka.



Future Work Plan of This Division:

- 1) Establishing of Sanitary Tapware Testing Facilities at BSTI Head Office, Dhaka.
- 2) Establishing of Footware Testing Facilities at BSTI Head Office, Dhaka.
- 3) Establishing of Fire Extinguisher Testing Facilities at BSTI Head Office, Dhaka.
- 4) Establishing of Tooth Brush Testing Facilities at BSTI Head Office, Dhaka.
- 5) Establishing of Bitumen Testing Facilities at BSTI Head Office, Dhaka.
- 6) Establishing of Tyre-Tube Testing Facilities at BSTI Head Office, Dhaka.
- 7) Strengthening of Existing Test Facilities with Artificial Intelligence (AI).

2.2 Electrical and Electronics Division:

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

a) Refrigerator Testing Laboratory

The purpose of this laboratory is to test different type of refrigerator. The laboratory has two units; One consists of 4 stations and another consists of 10 stations. 14 refrigerators can be tested in this laboratory at a time.

b) Motor Testing Laboratory

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

c) Fan Testing Laboratory

This Laboratory can analyze various technical features of electric fan. 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.

d) 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-payment meter of different classes.



Energy Meter Testing Laboratory

e) L.A.S Battery Testing Laboratory

Charging and discharging facilities can test different type of LAS Battery, Solar Battery and EV Battery.

f) 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.

g) 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.



Lighting Product Testing Laboratory

h) 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. Air Conditioner Lab has been Accredited by BAB.

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.

l) Photovoltaic Inverter(PV) Testing Laboratory

Photovoltaic Inverter (PV) is one of the main equipment in Charger can also test in this laboratory.



Photovoltaic Inverter(PV) Testing Lab.

The following other electrical products are also tested at BSTI:

PV Module, Charge Controller, Dry cell battery, Watch battery, LT & HT cable, Porcelain insulator, Electric line materials (Transmission & distribution), Circuit breaker (MCB & MCCB), Meter box, Electric iron, kettle, Microwave Oven, UPS, Storage Water Heater, Wall Clock etc.

Future Plan:

The following laboratories are going to be established in electrical & electronic division of physical testing wing:

- 1.Solar module testing lab,
- 2.Circuit breaker testing lab,
- 3.Expansion of facilities of light testing lab.

2.3 Textile Testing Division

Textile Testing division performs the functions through the six different laboratories:

1. Textile mechanical lab

This laboratory facilitates following test parameters:

- Count (Linear density) of thread removed from fabric,
- Thread per unit
- Length (Ends and Picks per inch), GSM (Weight per unit area or length),
- Tensile Strength, Elongation at break,
- Width of fabric, Tear strength, Martindale Abrasion Resistance, Pilling
- resistance, Crease Recovery Angle of fabric, Seam Slippage and
- strength, Seam Failure, Walls & Course per Unit Length, Determination of linear density of yarn, Determination of skein
- (lea) breaking strength and tenacity, Twist of yarn, Yarn Number and Strength and elongation of sewing thread,
- Direction of Twist, C.S.P. of Yarn, No. of plies, folds and filaments of yarn, Weight of Standards length of Yarn, Weave of fabric, Length measurement of Fabric, Length of Jute goods,
- Weight of Jute goods, Colour fastness to Rubbing/Crocking, No. of stitches
- per inch, etc.



Tensile Strength Machine

2. Textile Chemical lab -1

This laboratory facilitates following test parameters:

pH of aqueous extract, Colour fastness to Washing/ Laundering, Colour fastness to Dry Cleaning, Dimensional Stability to machine Washing/ Laundering, Colour fastness to Bleaching, Colour fastness to Domestic and Commercial Laundering, Absorbency of fibre, Resistance to heat of fibre, Colour of fibre, Absorption of Disposable Diaper, Absorption of Sanitary Napkin, Colour Fastness to Hot Pressing, Colour Fastness to Steaming etc.



Gyrowash Machine for Colour fastness test

3. Textile colour fastness to light lab

This laboratory facilitates the Colour fastness test to Artificial/day Light test of different textile products.



Colour fastness to light test

4. Textile chemical lab-2

This laboratory facilitates following test parameters:

Colour fastness to Water, Colour fastness to Sea Water, Colour fastness to Perspiration, Water repellency test, Colour Fastness to

Saliva, Absorbency of Textile, Water soluble extract percentage of Fibre, Moisture Regain %, Shrinkage Percentage of Fabric, Water soluble extract in percentage of fabric, Shrinkage of yarn in percentage, etc.



Digital Oven

5. Textile material composition analysis lab

This laboratory facilitates following test parameters:

Blend composition of different fibers (Cotton, wool, silk, polyester, etc.), Ash content% of Fibre, Hand feels of fabric, Base and Bias of Mosquito netting, Material Composition of fabric, etc.



Chemical Analysis

6. Textile assessment lab

This laboratory facilitates following test parameters:

Assessment of staining and change in colour, Assessment of pilling on textile, Assessment of surface after Abrasion, Appearance of spotting after water repellency (Shower) test, Weave assessment of woven fabric, Microscopic identification of textile fibre, etc.



Light Box

Future Work Plan of Textile Division:

1. Establishing new textile testing laboratories (Diaper and Wipes Testing Lab, Sanitary Napkin Testing Lab, Shirting Testing Lab, Suiting Testing Lab and Industrial Sewing Thread Testing Lab) at the vertical extension of Building No. 3. In BSTI Head Office Dhaka.
2. Establishing a specialized jute testing laboratory with 12 types of upcoming machinery.
3. Preparing the textile assessment lab with advance facility for testing of textile products.

2.4 Activities of Physical Testing Wing

SL.	Activities	2021-2022	2022-2023	2023-2024	2024-2025
1.	Electric Energy Meter tested	391820 Nos	492318 Nos.	484554 Nos.	410792 Nos
2.	a) Civil, Physical & Mechanical samples tested b) Electrical samples tested c) Textile samples tested	13112 Nos	15291 Nos.	17910 Nos.	18574 Nos
3.	Revenue Income (in lac.)	Tk. 505.61	Tk. 807.47	Tk. 889.70	859.77

3. Chemical Testing Wing

Chemical Testing Laboratory of BSTI, established in 1955, is Bangladesh's premier institution for testing the quality and safety of food, agricultural, organic, and inorganic industrial products. These services are conducted in compliance with national and international standards using modern analytical equipment. Chemical testing wing consists of three divisions, these are:

1. Food and Bacteriology Division

2. Chemical Division

- Organic Branch and
- Inorganic Branch

3. Halal Products Testing Division

Key Services

- Test reports within 3-22 working days
- Testing as per customer requirement and national/international standards
- Source of samples include:

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.

3.1 Food and Bacteriology Division

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

3.1.1.Cereal and Bakery Products Laboratory

3.1.1.a) Test Items: Pastry, Decorated Cake, Malt Based Food, Biscuits, Chanachur, Noodles, Instant Noodles, White Bread, Lachsa Shemai, Vermicelli, Cake, Muri, Corn Flakes, Oats, Roti (Flat/Bread), Sucralose (Food Grade), Bread Rolls, Quick Frozen French Fried Potatoes, Baking Powder etc.

3.1.1.b)Test Parameters: Moisture, Ash, Acid Insoluble Ash,Fat content,Acidity of Extracted Fat, Protein content, Aflatoxin, Arsenic(as As),Lead(as Pb), Cadmium (as Cd), Nickle (Ni),Tin(as Sn),Iron,Chloride,Crude fibre etc.



Determination of Aflatoxin in Chanachur

3.1.2.Oils and Fats Products Laboratory

3.1.2.a)Test Items: Fortified soybean oil, Mustard oil, Fortified palm oil, Fortified palm olein, Rice bran oil, Sunflower oil, Mayonnaise, Margarine, Virgin Coconut Oil, Olive Oils and Olive Pomace Oils, Black seed oil, Banaspati etc.



HPLC (Determination of Vitamin A)

3.1.2.b) Test Parameters: Moisture & insoluble impurities, Colour in lovibond scale,Refractive index at 40°C, Relative density at 20/20°C, Saponification value, Iodine value, Acid value (as KOH), Unsaponifiable matter, Peroxide value, Vitamin-A, Allylthiocyanate, Iron (as Fe), Erucic acid, Arsenic (As), Copper (Cu), Lead (Pb), Iron (Fe) etc.

3.1.3.Water and Beverages Laboratory

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



Determination of Toxic Metal (eg.As,Pb,Cd,Cr,Hg & Sn) in food Products

3.1.3.b) Test Parameters: TDS, Conductivity, pH, Total Hardness as CaCO₃, Lead (as Pb), Cadmium (as Cd), Mercury (Hg), Copper (as Cu), Zinc (as Zn), Chromium (as Cr), Chlorides (Cl), Arsenic (as As), Iron (Fe), Selenium(Se), Nickel(Ni), Barium (Ba), Manganese (Mn), Calcium(Ca), Sodium (Na), Turbidity, Nitrates, Nitrite, Fluoride, Chloride, Cyanide, Borate, Free Carbon dioxide, Organic matter, Pesticide Residues (Aldrin and Dieldrin), Hydrogen Sulphite, Moisture, Sulphated ash, Acid Insoluble ash, Acidity, Sugar Content (Brix), Benzoic Acid, Sorbic Acid, Caffeine etc.

3.1.4.Spices and Condiments Laboratory

3.1.4.a) Test Items: Chillies (Whole & Ground), Turmeric powder, Coriander powder,

Cumin powder, Curry Powder, Iodized Salt, Suji, Atta, Maida, Bran, Fish Feed, Poultry Feed etc.

3.1.4. b) Test Parameters: Moisture, Total ash, Acid insoluble ash, Crude fibre, Non-volatile ether extract, Fineness, Starch, Chromate test, Salt (as NaCl), Gluten, Alcoholic acidity, Granularity, Arsenic (as As), Lead (as Pb), Cadmium (as Cd), Nickel (Ni), Tin (as Sn), Particle size, Crude protein, Crude fat, Phosphorus, Calcium, Carbohydrate etc.



AAS for Heavy Metals in Food

3.1.5. Milk and Milk Products Laboratory

3.1.5.a) Test Items: Whole milk powder & Skimmed milk powder, Infant formula, A Blend of Skimmed milk and Vegetables fat in powder Form, Pasteurized milk, UHT Milk, Flavoured Milk, Butter oil, Ghee, Chhana, Sweetmeats, Cheese, Cream Cheese, Extra hard grating cheese, Whey cheeses, Whey Powder, yoghurt & Sweetened yoghurt, Ice-cream, Ice-lolly etc.



LC-MS/MS (Determination of Vitamin in Milk Products)

3.1.5.b) Test Parameters: Protein, Milk fat, Carbohydrates, Calcium, Chloride, Iron, Phosphorus, Magnesium, Sodium, Potassium, Copper, Zinc, Manganese, Melamine, Vitamin A, Vitamin E, Niacin, Pantothenic Acid, Vitamin C (Ascorbic Acid), Thiamine (Vit. B1), Riboflavin (Vit. B2), Vitamin D, Vitamin K, Vitamin B6, Vitamin B12, Folic acid, Biotin (Vitamin H), Antibiotic Residues, Total solid, Solid not fat (SNF), Sugar/Sucrose, Lactose, Acidity, Iodine value, Saponification value, R.M. value, Polenske value, Peroxide value (milliequivalents of oxygen/kg of fat), Badouine test, Arsenic (as As), Lead (as Pb), Cadmium (as Cd), Nickel (Ni), Tin (as Sn) etc.

3.1.6. Processed Fruits Products and Fruit Drinks Laboratory

3.1.6.a) Test Items: Fruit Juice, Fruit Drinks, Jam, Jelly, Marmalade, Pickles, Sauce, Tomato ketchup, Tomato paste, Chutney, Fruit squash, Fruit syrup, Fruit cordial, Edible Gel, Vinegar, Soya Sauce etc.



Preservatives by HPLC

3.1.6.b) Test Parameters: Brix, Acidity (as citric acetic/oleic acid), Benzoic Acid content, Sorbic Acid, Sulfur dioxide (SO₂), pH, Total Sugar, Total Solid, Specific gravity, Total ash, Acid insoluble ash, Fruit content, Arsenic (as As), Lead (as Pb), Copper (as Cu), Zinc (as Zn), Tin (as Sn), Mercury (Hg), Iron (Fe), Permitted Food Colour (Suset Yellow, Beta carotene, Tartrazine, Canthaxanthin, Alura Red) etc.

3.1.7. Microbiological Laboratories

3.1.7.a) Test Items: Water, Carbonated Beverages, Soft Drink Powder, Fruit Juices, Fruit Drinks, Tomato Ketchup, Tomato paste, Chutney, Fruit Squash, Fruit Syrup, Fruit Cordial, Edible Gel, Protein-Enriched Biscuits, Milk and Dairy Products, Skin Cream, Skin Powder, Disposable Diaper, Nonwoven Wipes, Reusable Sanitary Napkin, Sanitary Napkin, Shampoo, Toothpaste, Baby Products, Hair Oil, etc.

3.1.7.b) Test Parameters: Total Plate Count, Yeast and Mold Count, Total Bacterial Count, Total Coliform Count, Fecal Coliform count, Escherichia coli (E. coli), Salmonella etc.



Microbiological Lab

3.2 Chemical Division

3.2.1. Soap and detergent laboratories

3.2.1.a) Test Items: Glycerin Toilet Soap , Transparent Toilet Soaps , Liquid Toilet Soap ,Toilet soap, Laundry soap, Carbolic soap, Synthetic detergent powder, Household Dish washing Liquid, Floor Liquid Detergents, Liquid Toilet Cleaner, Liquid Hand Wash, Alcohol Based Hand Sanitizer and Shampoo, Containers for Packaging of Mineral Water and Drinking Water.

3.2.1.b) Test Parameters: Total fatty matter, Rosin acid, Free caustic alkali (as NaOH), Matter insoluble in alcohol, Matter insoluble in water, Chlorides (as NaCl) , Free carbonated alkali, Lather in ml (Min), Thermal stability at 45 °C, pH, Lead (as Pb), Arsenic (as As_2O_3), Mercury (as Hg), Iron (as Fe), Copper (Cu), Fineness, Active detergent content as SLES or its, equivalent Acid value, Unsaponifiable matter, Melting point at °C, Titre value at °C, Peroxide value (milliequivalents oxygen) kg/oil, etc.

3.2.2. Cosmetic products laboratory

3.2.2.a) Test Items: Skin Cream, After Shaving Lotion, Lipstick, Shaving Cream, Hair oil, Hair Cream , Skin and Face Powder, Coconut oil, Natural Henna/Mehedi (Powder and paste), Nail Polish, Face wash, Petroleum jelly, Eye care Products, Shaving Foam, Hair Dyes (Liquid), Kajol, Face Pack etc.



Determination of Hydroquinone in HPLC

3.2.2.b) Test Parameters: Hydroquinone, Mercury (as Hg), Total fatty matter, Thermal stability at 45°C, pH, Moisture and volatile matter, Lead (as Pb), Arsenic (as As_2O_3), Iron (as Fe), Copper (Cu), Paraben, Fineness, Colour, Refractive index at 40°C, Specific gravity at 30/30°C, Saponification value, Iodine value, Acid value, Melting point at °C, Polenske value, Reichert value, Peroxide value (milliequivalents oxygen) kg/oil, Softening point etc.

3.2.3. Ceramic products laboratory

3.2.3.a) Test Items: Ceramic tableware, Ceramic Tiles, Sanitary Ware Appliances, Tableware made of Melamine Moulding Compound, Glass Tableware etc.

3.2.3.b) Test Parameters: Resistance to chemical, Cadmium (Cd) released, Lead (Pb) released, Resistance to boiling water, Resistance to dry heat, Resistance to low temperature test etc.

3.2.4. Building materials Laboratory

3.2.4.a) Test Items: MS Rod, GP Sheet and CGS Sheet, Cement, Polyethylene (PE) pipes, UPVC Pipes, Structural Steel and Angels etc

3.2.4.b) Test Parameters: Loss on ignition, Insoluble residue, Sulfate content (as SO_3), Chloride content (as Cl), Carbon (C), Sulphur (S), Phosphorous (P), Silicon (Si), Manganese (Mn) etc.

3.2.5. Petrol And Petroleum Products laboratory



Kinetic viscosity determination in petroleum products

3.2.5.a) Test Items: Internal Combustion Engine Crankcase Oils (Diesel and Gasoline), Unleaded Motor Gasoline Premium (Octane), Unleaded Motor Gasoline regular (Petrol), Hi Speed Diesel, Bitumen, Alkatra etc.

3.2.5.b) Test Parameters: Kinematic Viscosity, Viscosity Index, Density at 15°C kg/L, visual, Copper strip corrosion at 50°C, Distillation, Octane no (Research Method), Lead content (as Pb), Doctor test, Acidity (Inorganic), Ash, Carbon residue, Cetane number, Cetane index, Pour point at °C, Flash point, etc.

3.2.6. Chemical fertilizer Laboratory

3.2.6.a) Test Items: Chemical fertilizer (Organic & inorganic), TSP, Ammonium Sulphate.

3.2.6.b) Test Parameters: Total Nitrogen (N), Total phosphorous (as P_2O_5), pH (10% aqueous suspension), Total Potassium (as K_2O), Total Sulphur (as S), Copper (as Cu), Zinc (as Zn), Lead (as Pb), Moisture, Total Calcium (as CaO), Biuret, etc.

3.2.7. Gold testing laboratory

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



ED-XFR (Determination of Purity of Gold)

3.2.7.b) Test Parameters: Purity of Gold, Purity of Silver, Purity of Bronze etc.

3.2.8.Paper and Pulp Laboratory

3.2.8.a) Test Items: Facial Tissue Paper ,Toilet Tissue, Safety Matches In Boxes , Plywood Tea Chests , Stencil Paper, Writing and Printing Paper, Newsprint Paper, Security Paper, Carbon Paper, Colour Pencils etc.

3.2.8.b) Test Parameters: Mechanical pulp, pH, Moisture etc.

3.2.9.Leach Products Laboratory

3.2.9.a) Test Items: Leather Products, Shoe Polish, Direct Moulded Sole (DMS) etc.

3.2.9.b) Test Parameters: Upper material, Socks material, Stiffeners material, Material of Heel, Sole and Tips, Material of Insole, Material of Eyelets, Total ash, Chromium, Oil and Fat etc.

3.2.10.Paint Laboratory

3.2.10.a) Test Items: Enamel Synthetic Exterior (Undercoating and Finishing), Cement Paint, Emulsion Paint, Economy Emulsion Paint (Distemper), Ready-Mixed Brushing Paint, Semi-Gloss Finishing for General Purpose etc.

3.2.10.b) Test Parameters Lead content (as dry film), Drying time, hours Viscosity at $30 \pm 2^{\circ}$ Temperature stability, Flash point etc.

3.3 Instrumental Laboratories

- AAS and GC Lab (Toxic Metal -As, Pb, Fe, Hg etc. and Erucic Acid)
- GC-MS Lab (Melamine)
- HPLC Lab (Hydroquinone, Vitamins, Preservatives, Caffeine etc)
- LC MSMS Lab (Determination of Vitamin D, Vitamin K, Vitamin B6, Vitamin B12, Folic acid, Biotin (Vitamin H), Antibiotic Residues (Enrofloxacin, Oxytetracycline), Melamine etc. in Milk and Milk Products.

- GC MSMS Lab (Determination of Pesticide Residues (Aldrin and Dieldrin) in Drinking Mineral Water)
- ICP-OES and ED-XRF Lab (Gold & Heavy Metals)



GC-MS (Determination of Pesticide Residues (Aldrin and Dieldrin) in Drinking Mineral Water)

3.4.National Halal Laboratory

A halal lab, which tests and certifies products to ensure whether they meet Islamic dietary laws. Recently Bangladesh Standards and Testing Institution (BSTI) inaugurated National Halal laboratory to support the growing global demand for halal products. This development is expected to boost Bangladesh's exports and strengthen its position in the international market.

Special Test Parameters:

- Detection of Porcine content in food and chemical products via DNA analysis.
- Detection and quantification of alcohol presence in food and chemical products



Detection of Porcine content in Food and Chemical Products

3.5 Innovative Work of Chemical Testing Wing:

1. Development of analytical method for analysis of food color (Sunset Yellow and Tartrazine) in Processed Fruit products and Carbonated Beverage by HPLC.
2. Development of analytical method for analysis of Benzoic Acid and Sorbic Acid for fruits and vegetable products by HPLC.
3. Determination of Antibiotic Residues in Pasteurized milk by LC-MS/MS.
4. Development of analytical method for analysis of Sorbic Acid of Carbonated Beverage by HPLC.
5. Development of analytical method for analysis of migration of Antimony, Lead, Cadmium, Chromium, Nickel and Mercury from Containers into Mineral Water and Drinking Water by Atomic Absorption Spectrophotometer (AAS).
6. Development of analytical method for analysis of migrated Acetaldehyde from Containers into Mineral Water and Drinking Water by Gas-Chromatograph (GC).
7. Development of analytical method for analysis of Composition of Hand Sanitizer by Gas-Chromatograph (GC).
8. Development of analytical method for analysis of Hydroquinone in Skin Cream by HPLC.

3.6 Accreditation Status of Chemical Testing Wing:

3.6.1. Accreditation Status of Food and Bacteriological Division

Food and Bacteriological Division achieved accreditation/international recognition first on **March 18, 2011**, for **89 parameters of 21 products** in accordance with **ISO/IEC 17025:2005** by the **National Accreditation Board for Testing and Calibration Laboratories (NABL), India**. At present, Food and Bacteriological Division has obtained accreditation from the **Bangladesh Accreditation Board (BAB)** in accordance with **ISO/IEC 17025:2017** for the following:

- **197 parameters** of Food Products
- **30 parameters** of Drinking and Mineral Water
- **14 parameters** in Microbiology

Accredited Laboratories under the Food and Bacteriological Division

- Cereal and Bakery Products Laboratory
- Processed Fruit Products and Fruit Drinks Laboratory
- Water and Beverage Laboratory
- Microbiological Laboratory
- Oils and Fat Products Laboratory
- Instrumental Laboratory (AAS and GC)

3.6.2. Accreditation Status of Chemical Division

Chemical Division, achieved accreditation/ international recognition first on **March 18, 2011**, for **19 parameters of 3 products** (MS rod, cement, and soap) in accordance with **ISO/IEC 17025:2005** by the **National Accreditation Board for Testing and Calibration Laboratories (NABL), India**.

At present, Chemical Division has obtained accreditation from the **Bangladesh Accreditation Board (BAB)** in accordance with **ISO/IEC 17025:2017** for **21 parameters** of Chemical products.

Accredited Laboratories under Chemical Division

- Soap and Detergent Laboratory
- Building Materials Laboratory

3.7 Activities of Chemical Testing Wing:

Activities	2022-23	2023-2024	2024-2025
Number of Tested Food Commodities, Organic Commodities and Inorganic Commodities	30185	32502	33859
Revenue Income (in lac Tk.)	2823	3086.20	2947.18

4. Metrology

"Metrology is the science of measurement, including both theoretical and practical aspects of measurement, regardless of the measurement uncertainty and field of application."

— [International Vocabulary of Metrology (VIM), JCGM 200:2012, jointly published by BIPM, OIML, ISO, and others]

Metrology, the science of measurement, has its origins in ancient civilizations like Egypt and Mesopotamia, where standardized units were developed for trade, construction, and taxation. The modern foundation of metrology began during the French Revolution with the creation of the metric system in 1795. This led to the establishment of the International System of Units (SI) in 1960. Over time, metrology has evolved to include scientific, industrial, and legal branches, supporting global trade, innovation, and quality assurance through accurate and traceable measurements.

Metrology activities in Bangladesh began during the British colonial period with the use of traditional measurement systems. After independence in 1971, the Government of Bangladesh established the Bangladesh Standards and Testing Institution (BSTI) in 1985. The National Metrology Laboratory (NML) under BSTI was formed to provide industrial, scientific metrology services and to ensure traceability and accuracy in measurements. Over the years, Bangladesh has adopted the International System of Units (SI) and aligned its legal and industrial metrology practices with international standards, including membership in BIPM, OIML and participation in APMP.

4.1. Role of Metrology in BSTI and Bangladesh

BSTI is the national authority for metrology in Bangladesh, responsible for industrial scientific and legal metrology. It maintains national measurement standards, provides calibration and verification services, and ensures traceability to SI units. Through legal metrology, BSTI regulates weights and measures used in trade to ensure consumer protection and fair transactions.

4.2. Scope of Scientific Metrology:

Scientific metrology involves developing and maintaining national measurement standards, advancing measurement techniques, and ensuring traceability to international units for high-precision applications.

4.3 Scope of Industrial Metrology:

Industrial metrology focuses on accurate measurement and calibration in manufacturing and production processes to ensure quality control, improve efficiency, and support product conformity.

4.4 Scope of Legal Metrology (Bangladesh/BSTI Perspective)

Legal metrology involves the application of legal requirements to measurements and measuring instruments. Its scope of work includes:

1. **Enforcement of Laws and Regulations** related to weights and measures under the Standards of Weights and Measures Act.
2. **Registration of Pre-packaged goods** ensures compliance with labeling and net quantity of pre-package goods standards to protect consumer's right.
3. **Verification and Calibration** of measuring instruments used in trade (e.g., weighing scales, fuel dispensers, tank lorries etc.).
4. **Approval of Models/Patterns** of measuring instruments before market use.
5. **Periodic Inspection and Re-verification** of instruments to ensure continued accuracy.
6. **Surveillance and Market Monitoring** to detect and prevent fraudulent practices in trade measurements.
7. **Stamping and Sealing** of verified instruments to certify compliance.
8. **Consumer Protection** by ensuring fairness and accuracy in commercial transactions.
9. **Capacity Building and Awareness** for stakeholders on legal metrology rules and practices.
10. **Coordination with International Bodies** like OIML for harmonization with global standards.

These activities are carried out by BSTI **Metrology Wing** across Bangladesh.

Future Plan for Metrology in Bangladesh

- Strengthen the National Metrology Laboratory (NML) with advanced equipment and capabilities.
- Expand metrology services to support health, safety and environmental protection.

- Expand calibration and measurement services to cover emerging technological fields, including acoustics and vibration, radiometry and photometry, as well as establish dedicated laboratories for AC, DC, and high-voltage electrical measurements.
- Enhance legal metrology enforcement for better consumer protection.
- Establish a Model/Type approval laboratory.
- Promote digital transformation and automation in metrology processes.
- Increase international collaboration through BIPM, OIML and APMP for global recognition.

Regional and International Membership:

Serial No.	Name of Organization	Type of Membership	Year of Accession
1.	International Bureau of Weights and Measures (BIPM)	Associate	29 March, 2010
2.	International Organization of Legal Metrology (OIML)	Corresponding	1988
3.	Asia Pacific Metrology Programme (APMP)	Full	1977
4.	The Standards and Metrology Institute for Islamic Countries (SMIIC)	Full	1 January, 2021

5. 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 issuing CM (Certification Marks) License for food and nonfood products, Import Clearance Certificate of Imported products and Halal Certificate under BSTI Act, 2018 Import Policy Order and BSTI Regulation, 2022 of the Government. As the part of those activities BSTI conducts factory inspection, Collection the sample of products. Its functions also include renewal, suspension and cancellation of the issued license and certificates in case of violation of condition of license.

Accordingly, as the post certification activities CM wing operates different types of monitoring activities like as Factory Surveillance, Market surveillance, Mobile Court etc.

5.1 Procedure of Certification Marks License

a. Application process:

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 (315) or Voluntary individual products to the Institution through online/manually for the CM License in the prescribed form including required documents with application fee. Form is available on www.bsti.gov.bd

b. Application Review and Inspection:

After receiving the application, the responsible Field Officer (CM) reviews the application and conducts the factory inspection taking approval from the authority. As per the relevant product standard, during inspection factory, Field Officer verifies and reports on the following information in prescribe form:

- a. General information;
- b. Environment of Production premises (Layout, Design, Hygiene, Safety etc.)
- c. About raw materials;
- d. Manufacturing process;
- e. Packing and marking;
- f. Internal Monitoring, inspection and reporting procedure;
- g. Laboratories with testing facilities available as per Bangladesh Standard;
- h. Sampling methods;
- i. Storage facilities of raw materials and finish products.
- j. Competency and Training of the personnel engaged in production & QC (Quality Control);
- k. About GMP & GHP.
- l. Safety (in applicable products)

The Field Officer submits the inspection report with evidence collected from the factory during inspection.

c. Collection of sample:

As per BDS if everything is satisfied by the Field Officer (CM) 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 with testing fee to the BSTI One Stop Service Center. The other is kept with them as a reference sample.

d. 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.

e. Bill Issuing:

Upon approval of license, a licensee has to pay fees in favor of BSTI, which is known as license fee. Mentionable, the breakup of the CM fees are as follows:

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

f. 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.

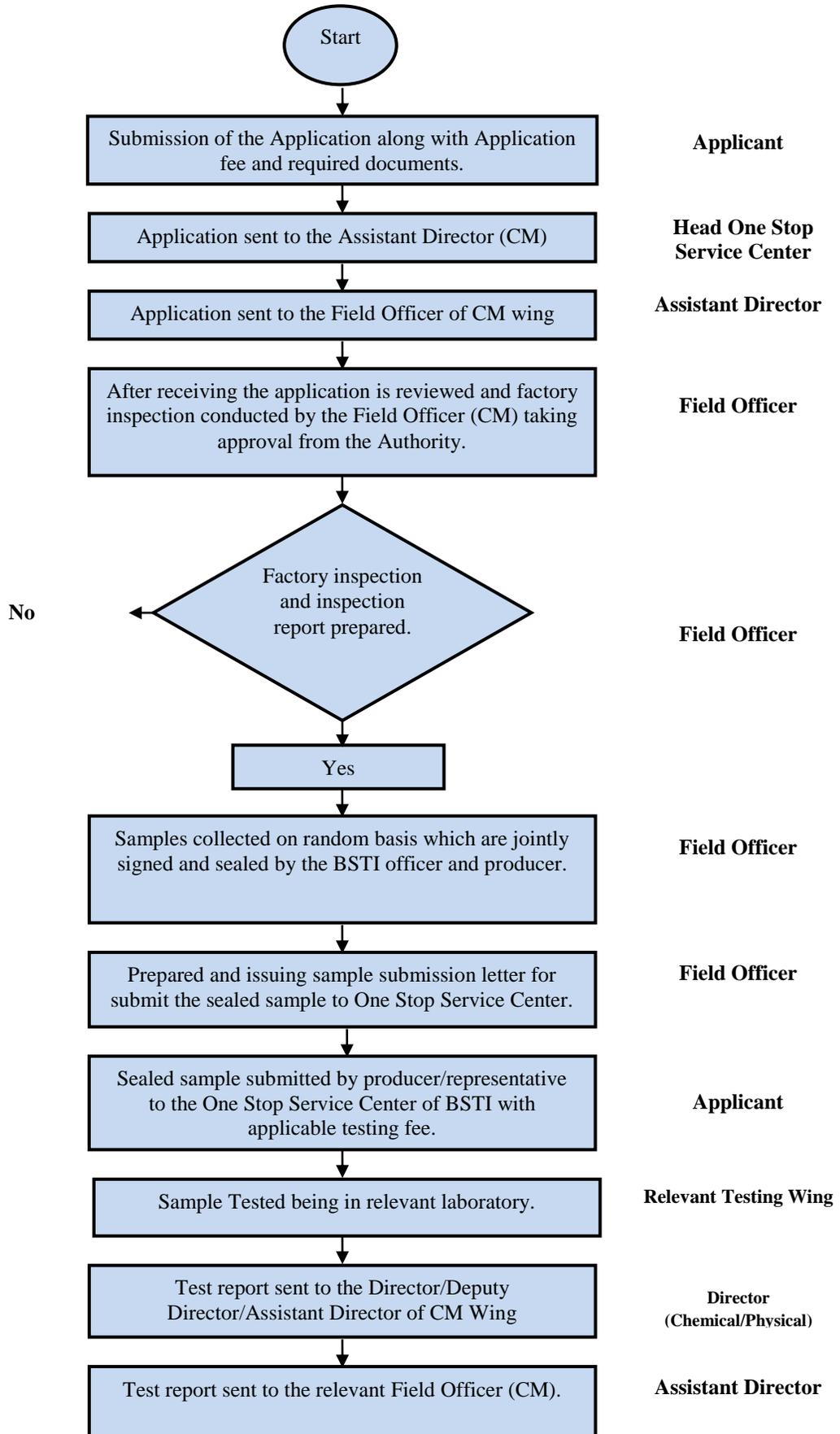
g. Cancellation of License:

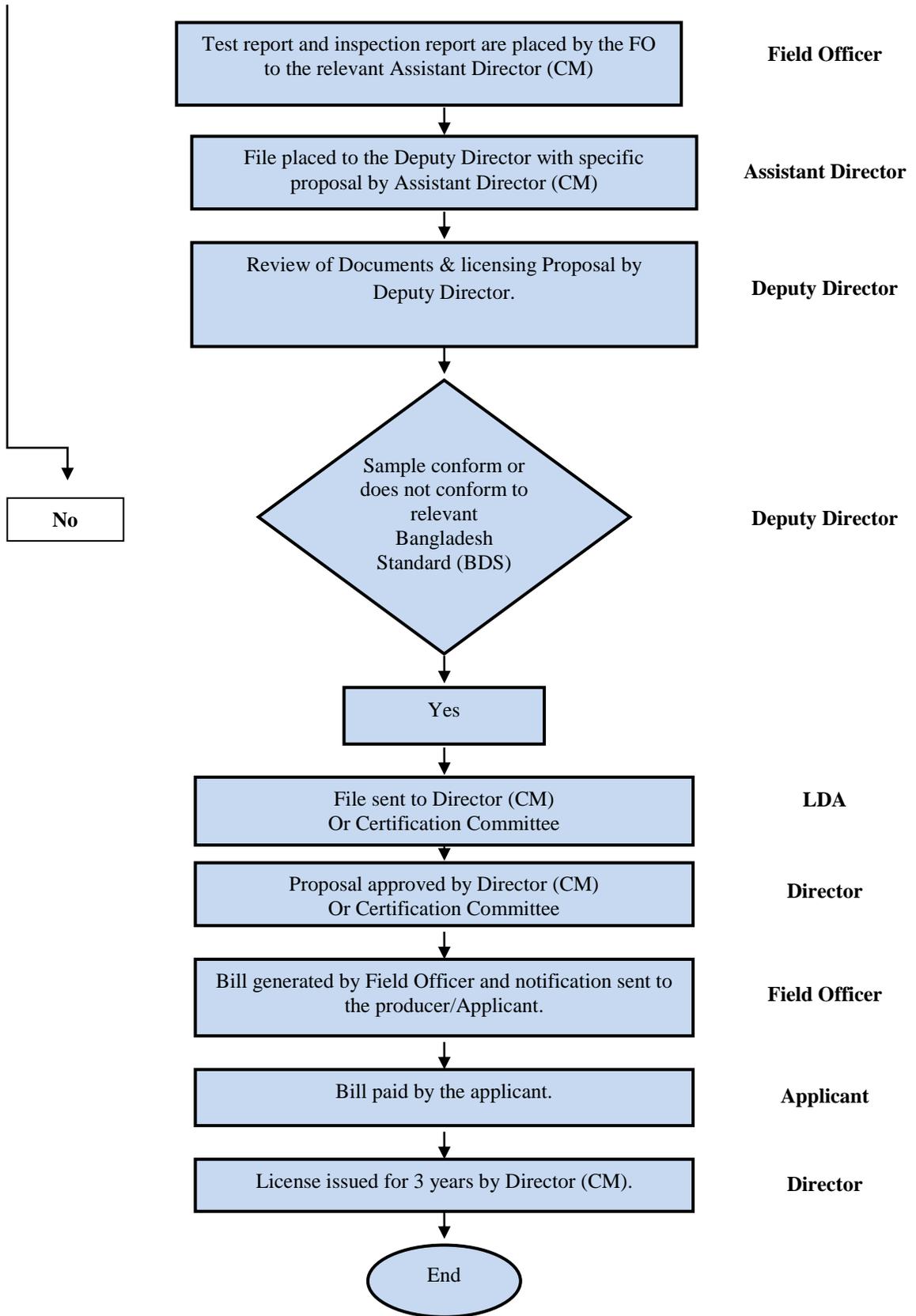
A license can be cancelled, suspended at any time if it is found that the licensee has violated any of the conditions specified in the license or any provision of BSTI Act. A suspended license can be revoked if the producer upgrades the products quality and complies others requirements.

h. 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.

Process Flow chart of approval of CM license





5.2 Procedure of Import Clearance for Imported products

BSTI CM Wing issues the Import clearance for 79 products (Food and Nonfood) which are mandate by the Import Policy Order 2021-2024. After arrival of the imported products on Bangladesh customs port, the Importer has to take the BSTI clearance for the said products prior to Custom clearance.

a. Application process

In order to take the Import clearance Importer has to apply in the prescribed application form with the updated Trade license, Income Tax Certificate, IRC, L/C Copy, Invoice copy, Bill of Entry, Bill of Lading, Airway Bill, Country of Origin, Radioactivity Certificate, Health certificate (for Food) of the relevant consignment.

b. Sample collection

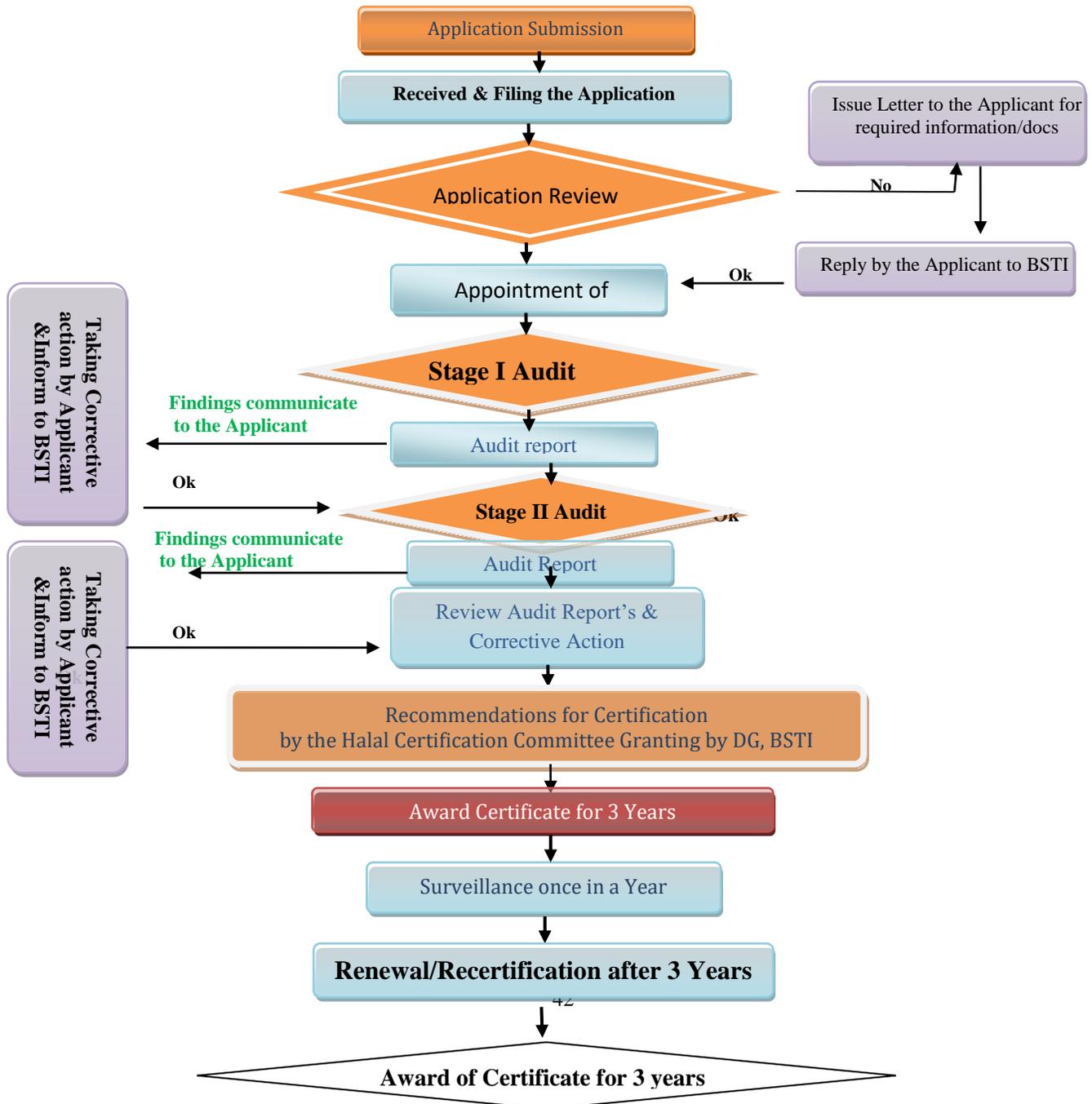
After receiving the application responsible Field Officer (CM) reviews the submitted documents and visits the custom port. Verifying all examination report he takes the sample with presence of custom officer which are jointly signed and sealed by the Field Officer, Custom Officer and the Importer/representative of the importer. 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.

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

5.3 Procedure of Halal Certification

BSTI has got the mandate to issue Halal Certificate by the SRO No 297/2021, Dated 08 September, 2021 of the Ministry of Industries in order to expedite exports of the country. The flow chart of Halal Certification process is as follows:

Process flow chart of Halal Certification



5.4 Accreditation of Product Certification Scheme (PCS)

BSTI CM Wing operates the Product Certification Scheme with following type 5 of International Standard ISO/IEC 17065:2012 for some specific products. In 2012 BSTI achieved the Initial Accreditation with following the International standard from NABCB,

India (National Accreditation Board for Certification Bodies, India) for 14 food and non food products. The NABCB Accreditation is continued upto 2018. At present BSTI Product Certification Accreditation is under process in Local Accreditation Body Bangladesh Accreditation Board (BAB), under the Ministry of Industries.

Evaluation Plan of Product Certification Accreditation Scheme (Based on ISO/IEC17065:2012)

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. Flavored Milk 2. Low Fat Milk	1. BDS 1471:2012 2. BDS 1866:2013	STI for each product (Based on Standard)
			A-II	Processing of Perishable Plant Products	1. Fruit Drinks 2. Chutney	1. BDS 1581:2015 2. BDS 521:2011 (Amendmnt-1, 2018)	
			A-III	Processing of Ambient Stable Products	1. Wafer Biscuits	1. BDS 1001:2010	

5.5 CM licensing on digital platform (e-Application System)

To build the SMART Bangladesh, BSTI developed digital system for its all kind of services. Accordingly, to reduce TCv (Time, Cost, and Visit) under the SPS commitment of the Government, BSTI CM licensing system is now on the digital platform. Now the client can apply through online e-Application system software. By using the software, clients apply from their home and get the update notification about the status of the application. Requisite bill for different service step can be paid through online banking. After payment of all bill and fee's he can receive the Digital License, Import Clearance and Halal Certificate (with QR Code) from their home. Meanwhile, The digital license is generated with QR Code.

5.6 Consumer Protection (Surveillance, Mobile Court, Judicial case)

In order to ensure consumer rights and also to ensure BDS for the relevant products, BSTI conducts Surveillance and Mobile Court as the part of monitoring activities of post licensing period with taking the following measures regularly:

5.6.1 Surveillance

- Surprise inspections of the licensee's factory and 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.
- If the test reports of the collected samples don't comply with the relevant BDS, the show cause notice is issued to the producer as per the procedure and BSTI Act. If the producer fails to reply to show cause notice or the reply of the notice is found not satisfactory, the license is cancelled and necessary actions are taken.
- BSTI surveillance team visits the new manufacturer plant which are not taken the CM license and aware to take the CM License by providing the notice.
- Regarding any kind of complaints against licensed products or services are taken by BSTI mail/hotline/complain box, BSTI surveillance team goes to relevant factory/market to verify the issues and take the necessary action as per the Act, Regulation and procedure.

5.6.2 Legal Action (Mobile Court, Judiciary case)

- (a) 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. In order to prevent the offense and to control the product standard BSTI operating the Mobile Court throughout the country in daily with BSTI Magistrates as per the monthly schedule.
- (b) Apart from that CM Wing officer keeping a great role with taking the part in the Mobile court of any other legal dept. of the Government (i.e. RAB, Metro politon, DC office etc.
- (c) Sometimes BSTI files the Judiciary case against the illegal and counterfeit manufacturers who doesn't response after noticing repeatedly to take the CM license and seal the factory as per the BSTI Act.
- (d) Any complaints against licensed products or services are taken by BSTI mail/hotline/complain box, CM wing officers take the legal necessary action immediately.

5.7 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 2024-2025 during the month of Ramadan 737 samples were collected from the open market and tested in the BSTI lab, out of 737 samples, 47 samples were found substandard. As per BSTI Act, show cause notice issued, to the defaulters and prohibited sales & distribution of the said products.

Periodically BSTI operates the special monitoring activities of Fortified Edible Oil, Iodized Salt, and Carbonated Beverages, Packaged Drinking Water, along with other sensitive goods. Special teams formed by the BSTI officials, collected random samples for the described goods and others when necessary. Some of the samples were not found conformance with the relevant Bangladesh Standards (BDS) and due actions was taken against them.

- (a) In 2024-2025, the statistics of some surveillance are below-

Name of goods	Collected Sample	Pass as per BDS	Fail	Action
Fortified Edible Oil	872	860	12	Show cause
Carbonated Beverages	22	22	-	-
Iodized Salt	711	706	05	Show cause

5.8 Consumer Awareness Building Activities

- a. **QR Code generate**-To ensures consumer awareness about product CM license, Halal Certificate and Imported Goods, BSTI started to generate the QR code for the license as well as the product brand/variants. By scanning the QR Code, consumer can ensure that the product has the valid BSTI license of that product. In such way he/she can avoid the counterfeit and substandard product.
- b. **Hotline, OSS center** -CM Wing officials serving in the hotline and One stop service (OSS) center providing all kind of guidance or suggestion in respect of public or Customers queries.
- c. **Media publication:** Any type of BSTI publishes warning notices to the print media in order to ensure awareness among the stakeholders about production of counterfeit, substandard, unauthorized product, 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 as well face book page also.
- d. **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.

5.9 Statistics of CM Wing Activities.

5.9.1 Activities of CM (Certification Marks) Wing

Sl.	Activities	2023-2024	2024-2025
1	New license issued	3964	3177
2	License renewed	4082	4255
3	Refused application for license	449	556
4	No. of mobile courts and surveillance teams operated	2490	3118
5	Cases instituted in mobile Courts and surveillance teams	1107	1019
6	Cases disposed in mobile mobile Courts and surveillance teams	932	882
7	Fine/Punishment (Mobile Court) (in lac)	423.02	253.76
8	Number of factories sealed for non-compliance	27	33
9	Penalty (Imprisonment) (person)	10	09

5.9.2 Halal Certification Activities

With the approval of the Halal Certification Committee, BSTI has awarded Halal Certificates to the following different industries for their products. Total 58 (Fifty-eight) Halal Certificates have been awarded to different industries. Many applications for Halal Certificates are under process for approval.

Management Systems Certification (MSC) Wing

6.1 Activities:

Bangladesh Standards and Testing Institution (BSTI) operates Management Systems Certification service under the Management Systems Certification (MSC) wing through the Bangladesh Standards and Testing Institution (Management Systems Certification) Regulation-2009. BSTI provides third party accredited management systems certification against international standards to different types of industries and service organizations without any discrimination to assist their business and commerce. This System certification helps to meet the requirements of the export market.

At present the scope of certification are ISO 9001 (Quality Management Systems), ISO 14001 (Environmental Management Systems), ISO 22000 (Food Safety Management Systems), ISO 27001 (Information Security Management Systems), ISO 45001 (Occupational Health and Safety Management Systems), ISO 50001 (Energy Management Systems), GMP (Good Manufacturing Practice) and HACCP (Hazard Analysis and Critical Control Point). A number of private certification agencies are working for issuing systems certification in Bangladesh. But BSTI is the only Govt. certification body (CB), which has started awarding Management Systems Certification among the organization- domestic industries and service providers,

These organizations achieve ISO certificates at low cost from BSTI other than private and foreign certification organizations. Formerly the Management Systems Certification of BSTI was accredited by the Norwegian Accreditation Authority in 2010 and continued up to 2014. After that the Bangladesh Accreditation Board (BAB) has given Accreditation on Management Systems Certification (MSC) against ISO/IEC 17021 and ISO/TS 22003 standards in 2015 according to the norms of International Accreditation Forum (IAF).

Henceforth, the Accreditation Certificate of BSTI is renewed by BAB in due procedure. Till today, MSC wing of BSTI has awarded 147 Certificates. Out of 147 Certificates, 97 are for Quality Management Systems (QMS), 13 for Environmental Management Systems (EMS), 26 for Food Safety Management Systems (FSMS), 01 for Occupational Health & Safety Management Systems (OH&SMS), 01 for Information Security Management Systems (ISMS), 08 for Hazard Analysis and Critical Control Points (HACCP) and 01 for Good Manufacturing Practice (GMP).

In the FY 2024-2025, MSC wing have awarded total 40 certificates to different organizations.

6.2 List of Management Systems Certified Clients (In FY 2024-2025)

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
INITIAL CERTIFICATION					
01	Soft BD Ltd.	52/1 Hasan Holdings, New Eskaton Road, Ramna, Dhaka, Bangladesh	Providing IT & IT Enabled Services	ISO 9001	DHK-QMS-000000000088

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
02	UltraTech Cement Industries Ltd.	Hasnabad traders Building (3rd floor), South Keraniganj, Dhaka-1310, Dhaka	Administration, Sales & Marketing, Research, Design & Development, Manufacturing, Warehousing and Distribution of Chemical & admixture products used in the Construction, Industrial and Automotive Markets	ISO 9001	DHK-QMS-000000000090
03	Optimum Pharmaceuticals (HBL)	Yearpur, Zirabo, Ashulia, Savar, Dhaka, Bangladesh	Manufacturer of Ayurvedic Medicine	ISO 9001	DHK-QMS-000000000091
04	Rahima Industrial Complex Ltd.	Mohona, Duptaraa, Rupganj, Narayanganj-1460,	Manufacturing of Reinforcing Steel Bars (Ribbed Bars) (B 500 DWR & B 420 DWR-08 to 25mm).	ISO 9001	DHK-QMS-000000000092
05	Prime Cosmetics Limited	T.K Bhaban, (5th floor), 13 kawran Bazar, Tajgaon, Dhaka.	Manufacturing and Dispatch of Synthetic Detergent Powder, Laundry soap, Tooth Brush, Dish Wash Bar/ Liquid, Toilet Cleaner, Floor Cleaner, Face Wash, Fabric Brightener, Petroleum Jelly, Glycerine, Talcum Powder, Shampoo, Hygiene Soap, Tissue Paper, mosquito Coil, Air Freshner.	ISO 9001	DHK-QMS-000000000093
06	Protik Fine Ceramics Ltd.	Dautia, Kalampur, Dhamrai, Dhaka-1340	Manufacturing of Ceramic Table Wares.	ISO 9001	DHK-QMS-000000000094
07	Bhonobhumi Agro Food	Gopinathpur, College Mor, Muksudpur, Gopalganj, Bangladesh	Manufacturing, Packaging, Marketing of Agro Food and Site Activities	ISO 9001	DHK-QMS-000000000095
08	M/S Kulsuma Plastic	West, Goldondi, Boalkhali, Chottogram, Bangladesh	Manufacturing of Plastic Pipes (UPVC SWR Pipe, BS Class Pipe, CPVC Pipe, HDPE Pipe, PPR Pipe, Electric Conduit Pipe, Corrugated Pipe) and all pipe Fittings, Water Tank, Bathroom Fittings, WPC & UPVC Door & Board and Wooden Board & Furniture	ISO 9001	DHK-QMS-000000000096
09	General Fan Company Limited	99/3, Adaboi, Road No. 01, Gazipur Sadar, Gazipur, Bangladesh	Manufacturing all kinds of Electric Fan.	ISO 9001	DHK-QMS-000000000097

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
10	Calibration Technology (Pvt) Ltd.	Vivek Nasir Point, Level-2, 13/2 Biponon, Mymensingh Lane, Banglamotor, Ramna, Dhaka, Bangladesh	Providing Calibration Services	ISO 9001	DHK-QMS-000000000098
11	Bangladesh Technical Assistance Center (BITAC)	116/Kha, Tejgaon I/A, Dhaka-1208, Bangladesh	Development of Skill Manpower through Technical Training, Manufacturing of Import Substitute Spare Parts for Industries along with Research, Development and Innovation	ISO 9001	DHK-QMS-000000000099
12	Dear Health Care Ltd.	Nagura, Pukra, Baniachong, Hobiganj, Bangladesh	Manufacturing of Natural & Organic Health Care and Cosmetic Products	ISO 9001	DHK-QMS-000000000100
13	Golden Plus Food & Beverage Ltd.	118, South Doriapur, Savar, Dhaka-1340, Bangladesh. Mob: 01675-691867	Manufacturing and Dispatch of Carbonated Beverage, Fruit Drinks, Artificial Flavored Drinks and Drinking Water	ISO 22000	DHK-FSM-000000000025
14	M/S Kamal Auto Rice Mill	Saroil, Rajabarihat, Godagari, Rajshahi, Bangladesh	Production, Packaging and Dispatch of Aromatic Rice (Atap Rice), Parboiled Rice, Fortified Rice Kernel (FKK) and Fertilized Rice	ISO 22000	DHK-FSM-000000000026
15	JJN International Limited	Sonatunia, Rampal, Bagerhat, Bangladesh	Production, Packaging and Exporting of Honey	ISO 22000	DHK-FSM-000000000027
16	Golden Plus Food & Beverage Ltd.	118, South Doriapur, Savar, Dhaka-1340, Bangladesh. Mob: 0167 5-691867	Manufacturing, and Dispatch of "(Carbonated Beverage, Fruit Drinks, Artificial Flavored Drinks and Drinking Water.)"	HACCP	DHK-HAC-000000000005
17	M/S Kamal Auto Rice Mill	Saroil, Rajabarihat, Godagari, Rajshahi, Bangladesh	Production, Packaging and Dispatch of Aromatic Rice (Atap Rice), Parboiled Rice, Fortified Rice Kernel (FKK) and Fertilized Rice	HACCP	DHK-HAC-000000000006
18	JJN International Limited	Sonatunia, Rampal, Bagerhat, Bangladesh	Production, Packaging and Exporting of Honey	HACCP	DHK-HAC-000000000007
19	Apex Convenience Foods Limited	Ward No. 08, Holdings No. D-01, East Chandora Kaliakair, Gazipur-1751	Production and Packaging of Ready to Eat Biryani, Rice, Dal and Curries	HACCP	DHK-HAC-000000000008
20	Vegan Agro Limited	Bahirchor, Baromile, Bheramara, Kushtia	Production and Packaging of Aseptic & Non-Aseptic Mango Pulp/Puree and Tomato Paste.	ISO 14001	DHK-EMS-000000000013

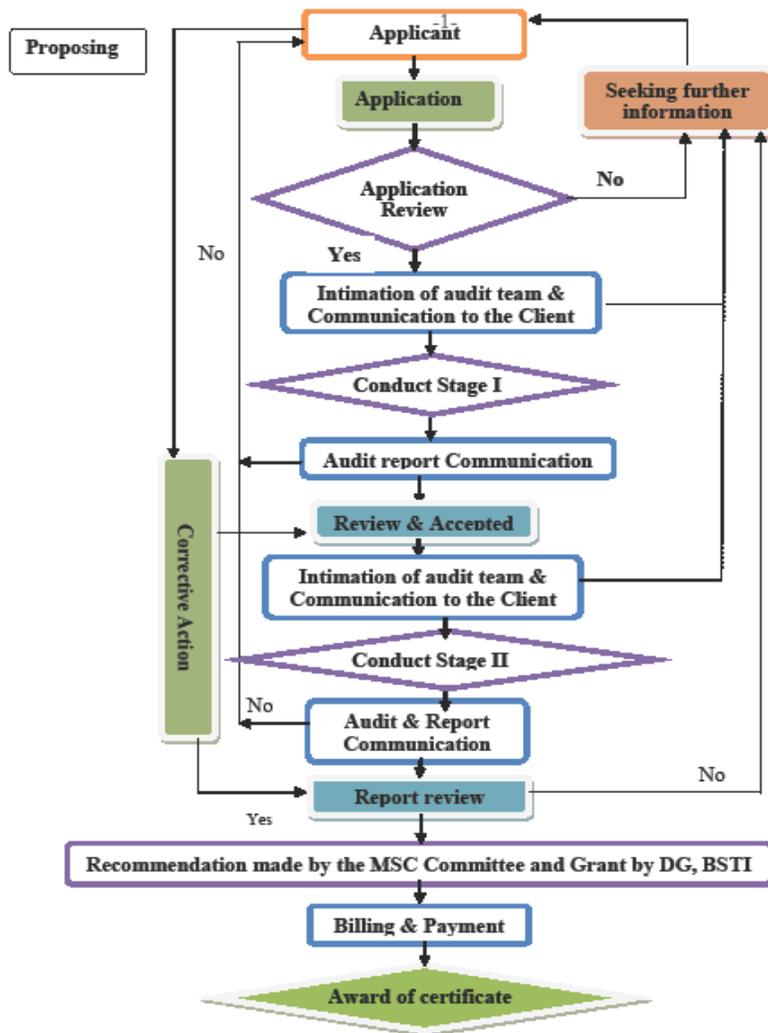
Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
21	Kulsuma Plastic	West Goldondi, Boalkhali, Chottogram, Bangladesh	Manufacturing of Plastic Pipes (UPVC SWR Pipe, BS Class Pipe, CPVC Pipe, HDPE Pipe, PPR Pipe, Electric Conduit Pipe, Corrugated Pipe) and all pipe Fittings, Water Tank, Bathroom Fittings, WPC & UPVC Door & Board and Wooden Board & Furniture	ISO 14001	DHK-EMS-000000000014
22	Soft BD Ltd.	52/1 Hasan Holdings, Road no: New Eskaton Road, Ramna Dhaka	Providing IT and IT Enabled Services	ISO 27001	DHK-ISMS-000000000001
RECERTIFICATION					
23	Haque Food Industries Limited	167, 169, Tongi Industrial Area, Tongi, Gazipur, Bangladesh	Manufacturing of Food Products (Biscuits, Chips, Chanachur and Wafer Biscuit)	ISO 9001	DHK-QMS-000000000015
24	Management & Training International Ltd. (MTI)	142 Castle Green (2nd Floor), Green Road, Dhaka 1205, Bangladesh	Organizing Training on Human Resource Management (HRM), Training, Study Tour programs, Workshop, Seminar & Event Management program (National & International Level) and Research	ISO 9001	DHK-QMS-000000000019
25	Alpine Fresh Water System Ltd.	272-273, Pagar, Tongi, Gazipur, Bangladesh	Manufacturing and Packing (Jar) of Drinking Water	ISO 9001	DHK-QMS-000000000022
26	Amber Board Mills Limited	Hatabo, Mithabo, Masumabad, Rupgonj, Narayanganj, Bangladesh	Manufacturing of Particle Boards, Melamine boards, Veneer boards, Doors, Plywood, Laminated Flooring wood plastic composite and edge Banding	ISO 9001	DHK-QMS-000000000030
27	Development Technical Consultants Pvt. Ltd.	JB House, Plot-62, Road-14/1, Block-G, Niketon, Gulshan-1, Dhaka, Bangladesh	Consultancy Services in Agriculture, Fisheries & Livestock, Education & Training, Social Development, Forest & Environment, Power & Energy, Information & Communication Technology, Water resource management, Health, Sanitation and Financial Management	ISO 9001	DHK-QMS-000000000037
28	Chemito International Ltd.	237, Nawabpur Road (2nd Floor), Dhaka, Banglades	Manufacturing and Development of Construction Chemicals such as Concrete Admixtures, Water Proofers and Additives	ISO 9001	DHK-QMS-000000000039
29	Index Laboratories	Yearpur, Zirabo, Ashulia, Dhaka,	Manufacturer of Ayurvedic Medicine	ISO 9001	DHK-QMS-000000000054

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
	(Ayurvedic) Ltd.	Bangladesh			
30	Montaha Steel Mills Ltd.	Boraibari, Nanakhi, Sonargaon Narayangonj, Bangladesh	Manufacturing of deformed steel bars (400 & 500wTMT Bar) from Casting Billets	ISO 9001	DHK-QMS-000000000062
31	Banga Flavour & Fragrance (Pvt.) Ltd.	Plot No. 410, Nasratpur, Laksam, Cumilla-3500, Bangladesh	Formulation and Packaging of Food Additives (Colour, Flavour) Seasoning, Confectionary Premix	ISO 9001	DHK-QMS-000000000064
32	Moon Star Paints	BSCIC Industrial Area, Kalurghate, Chattagram, Bangladesh	Manufacturing of Paints	ISO 9001	DHK-QMS-000000000065
33	RMC Chemical Company Ltd.	South Pangaon, Keranigonj, Dhaka, Bangladesh	Manufacturing of Construction Chemicals	ISO 9001	DHK-QMS-000000000066
34	BD Foods Limited	Bhawal, Mirzapur, Gazipur Sadar, Gazipur, Bangladesh	Processing, Packaging, Storage and Dispatch of Food Products (Chutney, Mango bar, Spices, Pickle, Chanachur, Crackers, Semai/Vermicelli, Jam-Jelly, Fried Dal, Fried Peanuts, Sauce, Vinegar, Mustard Oil, Lozenge, Soft Drink Powder)	ISO 9001	DHK-QMS-000000000081
35	Igloo Foods Ltd. (Mango Pulp unit)	Noyagola, BSCIC I/A, Chapainawabgonj, Bangladesh	Receiving of raw materials, production, packaging (Drum & CAN filling), storage and dispatch of Mango Pulp	ISO 22000	DHK-FSM-000000000005
36	Haque Food Industries Limited	167,169, Tejgaon Industrial Area, Tejgaon, Dhaka, Bangladesh	Manufacturing of Food Products (Biscuits, Chips and Wafer)	ISO 22000	DHK-FSM-000000000008
37	Igloo Foods Limited (Process Food unit)	18 No Rajuk 2nd Phase Kadamtoli I/A , Dhaka-1204, Bangladesh	Manufacturing of frozen Snacks (Paratha, Singara/Puri/Samosa/Sprig Roll/France Fried, Momo, Chicken Meat Ball) and Sweet Potato (Baked/Sugar Coated, Mashed and Fresh)	ISO 22000	DHK-FSM-000000000019
38	Panna Battery Limited	43 West Rasulpur, Kamrangirchar, Dhaka, Bangladesh	Manufacturing, Sales and Export of Battery Products Including Recycling	ISO 14001	DHK-EMS-000000000001
39	RAK Ceramics (Bangladesh) Ltd.	Dhanua, Sreepur, Gazipur, Banglades	Manufacturing of Different Types of Tiles and Sanitary Wares	ISO 14001	DHK-EMS-000000000003

Sl. No.	Name of the Organization	Geographical Location/ Address	Scope of Certification	Standards	Certificate No.
40	NIPRO JMI Company Limited	Vitikandi, Munshiganj, Gazaria-1510, Bangladesh	Design and Development, Production & Distribution of Sterile and nonsterile Blood Tubing Set	ISO 14001	DHK-EMS-0000000000007

6.3 Process Flow Chart for MSC

FIG 1: PROCESS FLOW CHART FOR MANAGEMENT SYSTEMS CERTIFICATION



7. Administration Wing

Administration wing provides logistic support to different wings of BSTI and its field offices. These include appointment, transfer, promotion, training, store management, project management, legal matters, procurement, budget preparation, maintenance of equipments, maintaining records of income & expenditure and other administrative matters.

7.1 Budget

Three-Year Income of BSTI		Three-Year Expenditure of BSTI	
Financial Year	Income (Tk.)	Financial Year	Expenditure (Tk.)
2022-2023	137,63,80,944.00	2022-2023	118,21,05,898.00
2023-2024	1800581000.00	2023-2024	1512013000.00
2024-2025	2038734698.00	2024-2025	1743216851.00

Training and Visit:

Officials of the BSTI participated in various meetings, seminars and workshops both in physically and virtually at home and abroad organized by the different organizations. List of the meetings, seminars and workshops and participants are given below:

The Director-General's Office (Overseas):

SL.	Name of the Training Program	Name & Designation of the Officers	Organizer	Duration		Source of Expenditure
				From	To	
1.	"Digitization of Fortification of Edible Oil for Improved Monitoring. Quality Control and Capacity Building"	1. Mr. S M Ferdous Alam Director General (Grade-1) BSTI, Dhaka	Nigeria	05-04-2025	12-04-2025	GAIN
2.	ISO/PC 305: Sustainable non-sewered sanitation systems	Mr. S. M. Ferdous Alam Director General (Grade-1)	China	05-01-2025	10-01-2025	ISO

Admin Wing (Overseas):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Mr. Md. Nurul Amin, Director (Admin), Admin Wing BSTI, Dhaka.	Sun Simulator/Solar Module	Germany	10-04-2025	15-04-2025	MMHT Engineering Company (PVT.) Ltd
2.	Mr. Md. Tuhin Ahamed, Deputy Director (Admin) Administration Wing	Conference on open innovation in the public sector	Philippines	28-08-2024	29-08-2024	
3.	Mr. Md. Mehedi Hasan Biswas Deputy Director (Admin) Administration Wing	Pre-Shipments Inspection (PST)	Canada	19-08-2024	23-08-2024	OMC Limited

Standards Wing (Overseas):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
01	Mr. Md. Saidul Islam Director (Standards)	ISO regional workshop on circular economy	China	26-08-2024	29-08-2024	ISO
02	Ms. Rahima Talukder, Deputy Director (E & E)	Study Tour	China	16-02-2025	23-02-2025	CLASP
03	Mr. Md. Enamul Hoque Deputy Director (Agri. & Food)	47 th Session of the Codex Alimentarius Commission Geneva	Switzerland	25-10-2024	30-10-2024	BTF
04	Mr. Mursaleen Mahfuz, Deputy Director (Civil & Mechanical Eng.)	ISO/PC 305 Sustainable non-sewered sanitation systems	China	5-01-2025	10-01-2025	
05	Mr. Mursaleen Mahfuz Deputy Director (Civil & Mechanical Eng.)	ISO/TC 21 Meeting	London, UK	09-09-2024	13-09-2024	ISO
06	Esmat Jahan Assistant Director (Agri: and Food) BSTI, Dhaka.	"Oman International Conference on Food Safety and Quality"	Oman Muskat	21-04-2025	23-04- 2025	BTF
07	Mrs. Esmat Jahan Assistant Director (Agri. & Food) Standards Wing	CCASIA Codex Workshop on "Food Control System and Risk Assessment"	Harbin, China	06-11-2024	09-11-2024	CFSA
08	Mr. Mohammad Jakir Hossain, Examiner (Civil and Mechanical Engineering)	ISO/TC161 Meeting	Birtish Columbia, Canada	12-05-2025	15-06-2025	
09	Mohammad Jakir Hossain Examiner (Civil and Mechanical Engineering)	"Participating in ISO Technical Committee Works"	Vancouver, Canada	20-05-2025	23-05-2025	ISO
10	Mr. Muhammad Ekhlas Uddin, Senior Examiner (Agri. & Food)	Technical Mission to Denmark on Residue Control	Copenhage, Denmark	22-06-2025	27-06-2025	DVFA
11	Mr. Md. Tahsin Mahmud, Examiner (Civil and Mechanical Engineering)	ISO/TC 71 Concrete, reinforced concrete and pre-Stressed Concrete	Thailand	19-11-2024	22-11-2024	ISO
12	Mr. Md. Saddam Hossain Khan Assistant Director (Jute and Textile) Standards Wing	SMIIC Awareness Seminar on Halal Standardization	Virtual	21-01-2025	21-01-2025	
13 14	Mr. Md. Liton Miah Examiner (Agri. & Food) Standards Wing	Foundation Training on "OIC/SMIIC 17-2:2020 Halal Supply Chain Management System-Part 2: Warehousing - General Requirements"	Virtual	26-08-2024	27-08-2024	
15	Mr. Md. Liton Miah Examiner (Agri. & Food) Standards Wing	Danida Fellowship Centre Learning Program on "Learn Apply Act-Enabling Change Agency for the Transfer of Knowledge into Action"	Virtual	09-09-2024	31-09-2024	

16	Mr. Md. Liton Miah Examiner (Agri. & Food) Standards Wing	Foundation Training on “OIC/SMIIC 17-3:2020 Halal Supply Chain Management System - Part 3: Retailing - General Requirements”	Virtual	04-11-2024	05-11-2024	
17	Mr. Md. Atik Ullah Assistant Director Electrical & Electronics	Study Tour	China	16-02-2025	23-02-2025	CLASP

Certification Marks Wing (Overseas):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Mr. Mohammad Arafat Hossain Sarker Deputy Director (CM)	Technical Mission to Denmark	Denmark	22-06-2025	27-06-2025	TMD
2.	Mr. Mohammad Arafat Hossain Sarker Deputy Director (CM)	Large scale food fortification promoting learnings and collaboration among global south countries	Jakarta, Indonesia	14-10-2024	15-10-2024	
3.	Mr. Mohammad Arafat Hossain Sarker Deputy Director (CM)	Improving food security and food safety through better cross-border controls agricultural commodities	Colombo, Sri Lanka	18-06-2025	19-06-2025	
4.	Mr. S M Abu Sayed Deputy Director (Halal Certification)	"Digitization of Fortification of Edible Oil for Improved Monitoring. Quality Control and Capacity Building"	Nigeria	05-04-2025	12-04-2025	GAIN
5.	Mr. S M Abu Sayeed, Deputy Director (CM)	Bangladesh-Singapore Joint Working Group (BSJWG)	Singapur	13-01-2025	15-01-2025	DVFA
6.	Mohammad Mazharul Islam Assistant Director (CM) BSTI, Dhaka.	ISO regional training programme	Qingdao China	10-06-2025	13-06-2025	The Qingdao Municipal Government
7.	Shimu Biswas Assistant Director (CM) BSTI District Office, Cox-Bazer.	Life Cycle Impact Assessment Modelling in the Context of Planetary Boundaries	Denmark	04-06-2025	26-06-2025	DVFA
8.	Ms. Surayia parvin, Assistant Director (CM)	CCASIA Codex workshop on Food Control System and Risk Assesment.	China	06-11-2024	09-11-2024	CFSA
9.	Ms. Rebeka Sultana Assistant Director (CM)	The Oman International Conference on Food Safety and Quality	Muscat, Oman	21-04-2025	23-04-2025	
10.	Mr. Md. Rakibul Hasan Assistant Director (CM)	The 47 th Session of the Codex Alimentarius Commission	Geneva, Switzerland	25-11-2024	30-11-2024	BTF
11.	Ms. Maksuda Runa, Field Officer (CM)	Technical Mission to Denmark	Denmark	22-06-2025	27-06-2025	TMD

Physical Testing Wing (Overseas):

Sl.	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Mr. Md. Shahadat Hossain Director (Physical) Addl.Charge	Sun Simulator/Solar Module	Germany	10-04-2025	15-04-2025	MMHT Engineering Company (PVT.) Ltd
2.	Engr: Mobin-Ul-Islam Deputy Director (Physical) & Divisional Office Head BSTI Divisional Office, Rangpur)	Sun Simulator/Solar Module	Germany	10-04-2025	15-04-2025	MMHT Engineering Company (PVT.) Ltd
3.	Mr. Md. Ariful Haque, Assistant Director (E&E)	Study Tour	China	16-02-2025	23-02-2025	CLASP
4.	Mr. Mohammad Saifullah Shawkat Examiner (Electrical, Electronics)	Sun Simulator/Solar Module	Germany	10-04-2025	15-04-2025	MMHT Engineering Company (PVT.) Ltd
10.	Mr. Md.Mizanur Rahman Assistant Director (Civil, Physical)	Pre-Shipment Inspection (PSI)	Canada	19-08-2024	23-08-2024	OMC Limited

Chemical Testing Wing (Overseas):

Sl. No.s	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Dr. Shahed Reza Assistant Director (Chemical)	Danish Veterinary And Food Administration	Technical Mission to Denmark	22.06.2025	27.06.2025	Danish Veterinary And Food Administration
2.	Nazmun Naher, Assistant Director (Chemical)	Sustainable Food Systems: Resource Efficiency, Food Loss and Food Waste.	University of Copenhagen, Denmark	26.05.2025	13.06.2025	Danish Ministry and Foreign Affairs
3.	S. M. Farhad Hossain Assistant Director (Food & Bact.)	2025 MPI Food Safety Risk Analysis Practical Course	New Zealand	05.05.25	13.05.25	US Department of Agriculture Bangladesh Trade Facilitation Project
4.	Paritosh Chandra Talukder Assistant Director (Chemical)	One Health 5-Week Course (MS091-25)	Denmark	03.03.2025	04.04.2025	Danish Ministry and Foreign Affairs
5.	Nazneen Akhter Assistant Director (Chemical)	Training on gold and alloys by energy dispersive X-ray fluorescence spectrometer	India	04-11-2024	17-11-2024	
6.	Sheikh Ashik Ahammed Assistant Director (Food and Bact.)	Training on gold and alloys by energy dispersive X-ray fluorescence	India	04-11-2024	17-11-2024	

Sl. No.s	Name & Designation of the officers	Name of the Training/Activity	Organizer	Duration		Remarks (Source of Expenditure)
				From	To	
1.	Dr. Shahed Reza Assistant Director (Chemical)	Danish Veterinary And Food Administration	Technical Mission to Denmark	22.06.2025	27.06.2025	Danish Veterinary And Food Administration
2.	Nazmun Naher, Assistant Director (Chemical)	Sustainable Food Systems: Resource Efficiency, Food Loss and Food Waste. spectrometer	University of Copenhagen, Denmark	26.05.2025	13.06.2025	Danish Ministry and Foreign Affairs
7.	Mr. Md. Asiful Hasan Chy Assistant Director (Chemical)	Training on gold and alloys by energy dispersive X-ray fluorescence spectrometer	India	04-11-2024	17-11-2024	
8	Ms. Anguman Ara Assistant Director (Chemical)	Training on gold and alloys by energy dispersive X-ray fluorescence spectrometer	India	04-11-2024	17-11-2024	

8. Achievement and Ongoing Development Activities:

a. Achievement:

SL.	Activities
1.	Introduction of web-based, real time Quick Response (QR) code system for issuing BSTI license/ certificate/ clearance certificate/test report/package commodities registration/verification/ calibration.
2.	Development of e-application system for online submission, SMS services, fee receipts, BDS sales and personnel database management of BSTI personnel.
3.	Issuance of Halal Certificates for different products.
4.	Revised and published BSTI Regulations 2022.
5.	Revised and published the Package Commodities Rules 2021.
6.	Issuance of certificate for purity of imported gold.
7.	Vertical extension of 4 (four) BSTI Divisional and District Offices.
8.	Agreement with Sonali Bank Ltd. for online payment of BSTI fees using Sonali Payment Gateway Software.
9.	Establishment of bank booth at BSTI head office for receiving fees.
10.	Establishment of Ring Main Unit (RMU) for Sub-station 1250 KW at BSTI head office.
11.	The National Halal Laboratory and Helmet Testing Laboratory, equipped with state-of-the-art equipment of international standards, have been launched at BSTI. As a result of the completion of halal product testing activities at BSTI's laboratory, halal licenses are being issued to introduce Bangladeshi products to the international market and expand international trade.
12.	BSTI, Divisional Office, Barisal, Rangpur and District Office, Comilla have been equipped with necessary equipment including establishment of Microbiological Labs. As a result, it is possible to test samples of all mandatory food products and provide reports quickly.
13.	Upward expansion (up to 2nd floor) of BSTI Divisional Office, Mymensingh and District Office, Cox's Bazar, Faridpur and Comilla has been completed. In addition, necessary equipment has been installed for setting up Bricks/Blocks Testing Laboratory in BSTI Head Office, Rajshahi, Mymensingh, Cox's Bazar, Faridpur and Comilla offices.

b. On-going Development Activities

SL.	Activities
1.	Introduction of Basic Training Course for BSTI officials for their capacity building.
2.	Development of apps for 'b' mark checking of packaged goods registration issued by BSTI.
3.	An MoU will be signed with BSTI and the Russian Federal Agency on Technical Regulating and Metrology (GOST R). This will enable the formulation of product quality standards and trade facilitation.
4.	A Proposal has been submitted to line Ministry Through Finance Ministry Implementation section will be for scale vating of 44 new post to strengthening the capacity of BSTI.
5.	Proposal to upgrade the post of Directors, Deputy Directors, Asst. Directors and Senior Examiners.
6.	The recruitment process for 118 officers is complete, while the process for 50 staff members is ongoing.
7.	The project to establish regional offices in 10 districts is underway to expand field activities.
8.	BSTI has introduced internship facilities for undergraduate and postgraduate students. As a result, BSTI will create opportunities for undergraduate and postgraduate students to gain experience in BSTI's work and use the knowledge gained in the workplace. It will also help in eliminating unemployment and creating a technically skilled workforce.

8.1. APA Implementation

APA implementation in FY 2019-2020, 2021-2022 and now 2022-2023, BSTI remaining top among the Ministry of Industries' 12 entities.

9. Development Projects of BSTI

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

Approved Cost : Tk. 28,291.00 lac

Implementation period:

July 2015 - June 2025

Source of fund : GoB

Objectives:

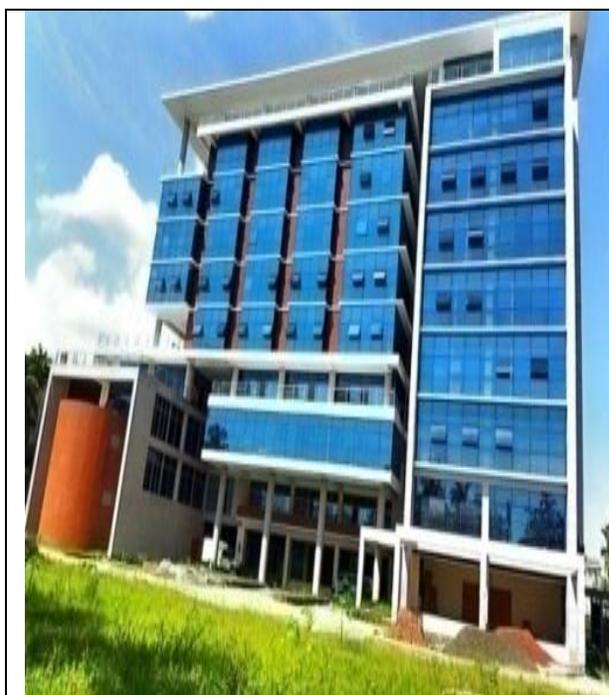
- to ensure quality products to the consumer
- to Construct the total structure of the ten (10) storied building and finishing work up to 2nd floor including foundation for office cum laboratory building with 10(Ten) storied foundation at Chittagong and Khulna.
- to Procure modern laboratory equipment.

Under the project “Establishment and modernization of BSTI regional offices in Chittagong and Khulna (2nd revised)”the 10-storey Khulna BSTI Divisional Office built under the project began operations on November 13, 2023, and the Chattogram BSTI Divisional Office began operations on June 28, 2025.

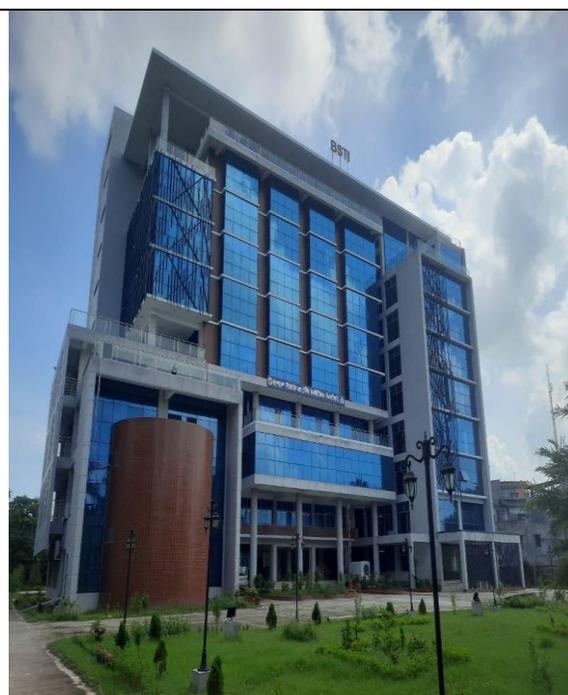
Diversification/growth of exports through improving food safety, health safety, environmental protection and quality of products produced in domestic industries in the public interest and To further strengthen BSTI's activities, chemistry, physics and metrology laboratories equipped with modern equipment have been established for the Khulna and Chittagong divisional offices.

The results of testing in these modern laboratories will increase the acceptability of domestic products in the international market, and we will save a lot of foreign exchange by reducing imports and increasing exports.

BSTI has officers trained in the country and abroad to operate most of the purchased equipment. Initiatives have been taken to provide training in the country and abroad for some new equipment. The area of each floor of the newly constructed building ranges from 15,500 to 18,000 square feet. This newly built office has been equipped with modern laboratories, calibration facilities, a one-stop service center, and other necessary infrastructure to facilitate various citizen services. Once the laboratories are fully operational, consumers, industrialists and businessmen in Chittagong, the main commercial center of Bangladesh, and Chittagong Division, will receive faster, more effective and easier services.



Newly Constructed BSTI Divisional office, Khulna



Newly Constructed BSTI Divisional office, chattogram

- Establishment of Regional Offices of BSTI in 10 Districts to expand BSTI activities at field level
- The work of upward expansion by adding new labs to the offices of BSTI in Mymensingh, Comilla, Cox's Bazar and Faridpur is at the final stage
- The project titled "Expansion and Modernization of BSTI Physics and Chemistry Testing Laboratory" is under the consideration of the government. Under this project, a total of 68 (30 under the Chemical and Physical wing); 30 under chemical wing) will be established. It is expected that the project will be approved by Executive Committee of the National Economic Council (ECNEC) soon.
- Another project proposal titled "Expansion of National Metrology Lab and Creation of Training Facility" has been submitted to the government. 21 labs of Scientific Metrology and Legal Metrology will be established under this project. Moreover, there is a proposal to create a permanent infrastructure for the training of officers and employees under this project.
- Project preparation for construction of graded multi-storied residential building for officers and employees in place of existing BSTI residential quarter under Banani, Dhaka is in progress.

10. 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 Organization for Standardization (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). BSTI is the IEC Affiliate member of IEC since 2001 and Affiliate Plus since 2012. BSTI is the member of Codex Alimentarius Commission (CAC) since 1975 and is the focal point of CAC. Recently BSTI also the Member of the Standards and Metrology Institute for Islamic Countries (SMIIC) since 2021. The Institution participates actively in the function of the SAARC standing committee on standards, metrology, testing and quality. BSTI maintains relations with WTO, ITC, AFTI, 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 and 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: arafat_cm@bsti.gov.bd

11. 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.

BSTI website:

BSTI has established a well-developed, dynamic web site at www.bsti.gov.bd including LAN for information. A Complaint Box has also been included in the BSTI Website. Bangladesh Standards are also available for online purchase through www.bstibds.com

Citizen Charter:

To provide time bound services to the clients and stakeholders, BSTI has displayed the Citizen Charter its all offices throughout the country.

Hotline:

BSTI introduce a hotline number **16119** for quick response to its clients.

12. E-Services of BSTI

Website: BSTI has a dynamic website (www.bsti.gov.bd) with desired information for the people.

Bill Management software: this application (<https://bstibillingsoft.org>) has been launched on 04-04-2017 in order to digitize the bill collection system at one stop service center of BSTI head office.

Inventory Management software: A web-based inventory Management software (<https://bstiinventory.org>) has been developed to digitize the operation of the store section of BSTI Head Office.

E-Catalog and BDS Sale software: Through e-Catalog and BDS Sale' application software (<https://bstibds.com>) BDS made by BSTI buyers can check BDS completely online without visiting BSTI and purchase BDS without any extra cost and time through e-payment.

E-Catalogue and Bangladesh Standards (BDS) Sale: Anyone can purchase BDS and pay bills through e-payment.

Short Code Number: This application helps to inform BSTI immediately if there is any doubt about the quality of the products/complaints about the manufactured products.

Queue Management System: BSTI's One Stop Service Center uses this process for setting up a modern Queue Management System to provide orderly service to the customers.

Boost up computer network of BSTI: Internet speed increased from 50 mbps to 150 mbps at BSTI plus a parallel internet connection of 20 mbps has been established for the office of the Director General including One Stop Service Centre.

Wi-fi Zone: Now BSTI's one stop service center and entire campus including DMI has been brought under Wifi Zone.

E-mail ID with domain: In order to ensure the reliability and security of e-mail ID with domain has been created from Bangladesh Computer Council (BCC).

e-GP: An initiative has been taken to complete 50% of BSTI purchases through e-GP in FY 2023-2024

e-nothi: Official activities are being carried out through e-nothi/d-nothi.

SMS: In the interest of the public, on special days of BSTI (Such as world Standards Day, World Metrology Day etc) various information about the organization's activities, slogans, news, testing facilities, public awareness information are sent to the general public through mobile phone SMS.

QR- Code based Licence: BSTI Develop and implement Real Time Quick Response (QTQR) Code with online based License Issue, Renew, Cancellation, suspension and Verification of BSTI License, Clearance Certificates, and logo against products and Test Reports of BSTI Laboratories. Following are the objectives which BSTI wants to achieve by this job.

1. Increase efficiency of BSTI work process.
2. Secure information data for analysis and decision making.
3. License/Certificate/Test Reports information easily available at anywhere and anytime for verification by stakeholders.
4. Stop License/Certificate/Test Reports forgery.
5. Increase trust of stakeholders on BSTI.
6. Make information available to all levels concerned.

e-Application management System: To ensure quality of product and system BSTI develop and implement an e-Application Management System with web-based application submission, billing and payment receipt, SMS services, personnel information and report generating option. As a result, they need to work on different sectors to fully fulfil the purposes. The main objectives of this project are automation of all wing's activities of BSTI.

BSTI's Modern 10 Storied Building and State of Art Laboratories in Chattogram and Khulna: A Boost for Trade and Industry

The Bangladesh Standards and Testing Institution (BSTI) has recently inaugurated two state-of-the-art regional offices and laboratories in Chattogram and Khulna, marking a significant milestone in the country's efforts to enhance trade facilitation, industrial quality control, and consumer protection. These modern facilities, housed in newly constructed 10-story buildings, are equipped with advanced testing equipment, ensuring faster and more efficient certification processes for imported and exported goods.

As the sole national standards body, BSTI plays a pivotal role in ensuring consumer safety, promoting fair trade, and enhancing the competitiveness of local products in both domestic and international markets.

With the rapid growth of new industries and increasing consumer demands, the need for a robust and modern testing infrastructure became more urgent than ever.

The new facilities in Chittagong and Khulna are poised to play a transformative role in their respective regions and for the national economy as a whole.

Chattogram Project

Chattogram, as the country's main port city, is the gateway for a majority of Bangladesh's international trade. The new, modernized BSTI office and laboratory here will be instrumental in facilitating trade by speeding up the quality inspection and clearance of both imported and exported goods. With the capability to test a much larger volume of products in a shorter time, the new office will help reduce business costs and delays, thereby boosting trade and commerce. It will also be vital in ensuring that domestic industries in the region adhere to international standards, which is crucial for increasing the acceptance of Bangladeshi products in global markets.

Khulna Project

Similarly, the new 10-story building in Khulna, a key industrial city, will serve as a hub for quality assurance. The advanced laboratories will support local industries in the Khulna industrial belt, including those linked to the Mongla seaport and Jessore land port. This will ensure that locally manufactured goods meet the required quality benchmarks, fostering a culture of excellence and making them more competitive. The ability to conduct rapid testing and certification at this key entry and exit points will significantly reduce time and financial burdens for businesses, driving economic expansion in the region.

The establishment and modernization of BSTI regional offices in Chattogram and Khulna represent a significant leap forward in strengthening the national quality infrastructure of Bangladesh. These investments not only decentralize vital testing services but also align with the government's vision for a knowledge-based, export-driven economy. Through such strategic infrastructure development, BSTI is now better equipped to ensure the delivery of high-quality products, enhance consumer confidence, and pave the way for a sustainable, competitive industrial future.

Significance of the Projects

1. Boosting Trade Efficiency
2. Strengthening Industrial Growth in Chattogram and Khulna
3. Faster Clearance at Chattogram Sea Port, Mongla Sea Port and Jessore Land Port.
4. Enhancing Consumer Protection
5. Enhancing domestic industry standards.
6. Reducing testing delays for imports/exports.
7. Cost Saving
8. Support to Local Industries specially Boosting up local SMEs.



Establishment and Modernization of BSTI Regional Offices in Chattogram & Khulna

Project Summary

Project Name	Establishment and Modernization of BSTI Regional Offices in Chattogram & Khuina	
Duration	July 2015 - June 2025	
Implementing Agency	Bangladesh Standards and Teting Institution (BSTI)	
Total Cost	BOT 29,444.43 lakh	
Construction Allocation	BDT 17,208.50 lakh	
Locations	Chattogram (1.43 acres)- Khulna (2.56 acres)	
Completion Status (2025)	100% Physical Progress at Both Centers	
Cumulative Financial Progress	90.07% as of June 2025 as of June 2025	Inauguration Dates Khalna. 13 Nov 2023 Chattogram, 28 Jun 2025

Lab Equipment Installation

Categoric	Chattogram	
Chemistry Lab Instruments	173	352
Physical Lab Instruments	322	125
Metrology Instruments	205	1040
Office Equipment	6	6

Benefits and Long - T-Vision

	Faster Testing & Certification
	Increased Export Potential
	Support to Local Industries
	Public Health & Environmental Safety

Chapter-3

Right to Information (RTI)

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

Sl.	Name of Designated Officers and Offices	Address	Telephone/Mobile/E-mail
1.	Mr. Mohammad Tauhidur Rahman, Deputy Director (P & D) a.c	Maan Bhaban 116-A, Tejgaon I/A, Dhaka-1208	Mobile: 01332825113 tauhidbsti@gmail.com
2.	Mr. Mithun Kobiraj Assistant Director (Met)	BSTI Divisional Office, Rajshahi Bipass Road, Nawdapara, Sapuura, Rajshahi	Mobile: 01866748284 mk07ruet@gmail.com
3.	Mr. Engr. Moriom Assistant Director (Met)	BSTI Divisional Office, Sylhet BSCIC Industrial Park, Khadimnagar, Syllhet	Mobile: 01919909048 moriom.eeruet@gmail.com
4.	Mr. Rigan Baidya Assistant Director (CM)	BSTI Divisional Office, Chattogram Jamburi Ground, Agrabad, Chattogram	Mobile: 01717119158 riganbaidya73@gmail.com
5.	Mr. Md. Billal Hossain Assistant Director (Met)	Dhaka Metrology Inspectorate (DMI) 116-A, Tejgaon I/A, Dhaka-1208	Mobile: 01752304505 billal.bsti@gmail.com
6.	Mr. Syed Mostafa Kamal Assistant Director (Phy)	BSTI Divisional Office, Khulna 62, Old Jessore road, Khalishpur, Khulna	Mobile: 01915595337 syedmostafa91@gmail.com
7.	Mr. Md. Easir Arafat Field Officer (CM)	BSTI Divisional Office, Barishal BSCIC Industrial Park, Kaunia, Barisal	Mobile: 01728606766 bsti.barisal@gmail.com
8.	Mr. Arnob Chacrabarti Field Officer (CM)	BSTI Divisional Office, Mymensingh Kismot, RahmotpurSadar, Mymensingh.	Mobile: 01776214414 arnobmzs2013@gmail.com
9.	Mr. Engr. Jahidur Rahman Assistant Director (CM)	BSTI Divisional Office, Rangpur House No-46/2, Road No-01 Porjoton Purbapara, Post- Sadar, Rangpur-5400.	Mobile: 01931802632 jahidbsti@gmail.com
10.	Mr. Md. Shahidul Islam Assistant Director (CM)	BSTI District Office, Cumilla Holding No.21/1, Ward No-23 Dhanpur Kotbari Road, Cumilla-3502.	Mobile: 01946551202 shahidulctp@gmail.com
11.	Mr. Mohammad Abu Hanif Assistant Director (Phy)	BSTI District Office, Faridpur BSCIC Industrial Area, Kanaipur Faridpur-7801.	Mobile: 01735178648 shahidulctp@gmail.com
12.	Mr. Shariful Islam Assistant Director (Phy)	BSTI District Office, Cox's Bazar Plot: 4-5, New Circuit House Road, Cox'sbazar.	Mobile: 01754257744 sharifulbsti@gmail.com
13.	Mr. Engr. Md. Hasibur Rahamn Inspector (Met)	BSTI Regional Office, Gopalganj Circuit House Road, Sonakur, Ward No-14, Sadar, Gopalganj.	Mobile: 01646857354 hasib.hridoy.ce.buet@gmail.com
14.	Mr. Mithun Das Assistant Director (Met)	BSTI Regional Office, Jessore 2660, Raja Baroda Kanta Road, Chachra Dalmil, Jessore-Benapol Sarak, Jessore	Mobile: 01795355151 dasmithun549@gmail.com
15.	Mr. Md. Zishan Ahmed Talukder Assistant Director (CM)	BSTI Regional Office, Noakhali Holding: 850/01, Dotter Dokkhin Bazar, Main Road, Sonapur, Noakhali	Mobile: 01818313298 zishanbsti@gmail.com
16.	Mr. HM Tanjil Field Officer (CM)	BSTI Regional Office, Patuakhali Talukdar Manshion, Holding No: 337 Kalikapur, Patuakhali	Mobile: 01815798376 tanjil.bsti@gmail.com
17.	Mr. Md. Kamal Hossain Deputy Director (Food & Bact)	BSTI Regional Office, Gazipur G-159 (7 th Floor), West Side of Rajdighi Joyjebpur, Gazipur	Mobile: 01717256232 bstigazipur2024@gmail.com
18.	Mr. Montosh Kumar Das Assistant Director (CM)	BSTI Regional Office, Narshingdi 235, Sultan Tower, West Brahmondi, Narshingdi	Mobile: 01717077461 montosh2011@gmail.com
19.	Mr. Md. Mesbah ul Hasan Assistant Director (CM)	BSTI Regional Office, Naogaon Muktijoddha Complex, Bus Stand, Naogaon	Mobile: 01740972636 shisom07@gmail.com
20.	Mr. Md. Nazmus Sadat Inspector (Met)	BSTI Regional Office, Kustia 63/3, Kustia-Jhinaidah Road, Chourhas More, Kustia	Mobile: 01745617911 nasim1575@yahoo.com
21.	Mr. Ziaul Haque Assistant Director (CM)	BSTI Regional Office, Dinajpur 869, Nimnagar, Fulbari Bus Stand, Dinajpur	Mobile: 01723847920 ziahaque5@gmail.com

22.	Mr. Md. Azizul Hakim Assistant Director (Met)	BSTI Regional Office, Pabna 1373, PI Road, Radhanagar, Pabna	Mobile: 01713906224 bstigazipur2024@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 the office	Appellate Authority	Address of the Appellate Authority
BSTI Head Office, Dhaka and its Divisional offices: Dhaka, Chattogram, Rajshahi, Khulna, Barisal, Sylhet, Mymensingh and Rangpur. District Offices: Faridpur, Cumilla and Cox'bazar. Regional Offices: Gopalganj, Jashore, Noakhali, Patuakhali, Gazipur, Narshingdi, Naogaon, Kustia, Dinajpur, Pabna.	Director General (Grade-1), BSTI	Maan Bhaban 116-A, Tejgaon I/A Dhaka-1208

RTI Activities from July 2023- June 2024 (Comparative figure with last 2 Years)

SL.	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 Not Providing Information
1.	2022-2023	BSTI	19	19	Not Applicable	Not Applicable	No Cost Charge	Not applicable
2.	2023-2024	BSTI	14	14	Not Applicable	Not Applicable	No Cost Charge	Not applicable
3.	2024-2025	BSTI	39	25	Not Applicable	Not Applicable	No Cost Charge	Not applicable

Chapter-4

Photo Gallery



On the occasion of World Standards Day 2024, a discussion meeting titled "Shared Vision for a Better World–Standards in Building a Sustainable Developed World Through Integrated Initiatives" was held in Bangladesh Foreign Service Academy. Mr. Adilur Rahman Khan, Advisor to the Ministry of Industries and the Ministry of Housing and Public Works, was present as the chief speaker. The event was chaired by Zakia Sultana, the then Senior Secretary, Ministry of Industries. Professor Dr. Abdul Hasib Chowdhury, Pro-Vice Chancellor of Bangladesh University of Engineering and Technology (BUET), presented the keynotepaper. Md. Hafizur Rahman, Administrator of FBCCI, was present as a special speaker. Director General of BSTI Mr. S M Ferdous Alam delivered the welcome speech.



A monthly coordination meeting on BSTI's activities, progress, and new plans was held on August 21, 2024, in the BSTI conference room, presided over by Director General (Grade-1) Mr. S. M. Ferdous Alam. The meeting was attended by senior officials from BSTI's head office and the heads of divisional, regional, and district offices.



The 40th meeting of the BSTI Council was held on 29 September 2024, chaired by Council President and Advisor to the Ministries of Industries and Housing & Public Works, Mr. Adilur Rahman Khan. The then Senior Secretary of the Ministry of Industries Mrs. Zakia Sultana, Director General of BSTI and Member-Secretary of the Council Mr. S M Ferdous Alam attended, along with representatives from various ministries, government bodies, and industry organizations.



In order to increase public awareness about the quality and price of products during the holy month of Ramadan on March 3, 2025, Industry Advisor Mr. Adilur Rahman Khan, Commerce Advisor Sheikh Bashir Uddin, Secretary of the Ministry of Industries Md. Obaidur Rahman, Secretary of the Ministry of Commerce Mr. Mahbubur Rahman, BSTI Director General (Grade-1) Mr. S M Ferdous Alam visited the Town Hall Kitchen Market in Mohammadpur in the capital, as part of a market surveillance programme organized by BSTI.



A 10-storey building with a state-of-the-art laboratory was inaugurated in Agrabad, Chattagram, with the aim of quality control of products and facilitating import and export trade and providing services quickly. On June 28 (Saturday), the newly built BSTI divisional office was inaugurated by Mosha. Kohinur Akhter, mother of Shaheed Faisal Ahmed Shanto in the 2024 student uprising. Industry Advisor Mr. Adilur Rahman Khan was present as the main speaker at the inauguration ceremony. Chattagram City Corporation Mayor Dr. Shahadat Hossain, Industries Secretary Md. Obaidur Rahman, BSTI Director General (Grade-1) Mr. S M Ferdous Alam were present there.



On 23 May 2025, The Honorable Industries and Housing and Public Works Advisor Mr. Adilur Rahman Khan visited the Khulna office and planted trees.



The Secretary, Ministry of Industries Mr. Md. Obaidur Rahman visited BSTI and exchanged views with BSTI officials and employees On March 9, 2025. Senior officials of the Ministry of Industries and BSTI were present at the time.



The Secretary, Ministry of Industries Mr. Md. Obaidur Rahman visited BSTI Rajshahi Divisional Office on 15 May 2025. He exchanged views with the Director General (Grade-1) Mr. S M Ferdous Alam who presided over the meeting with BSTI officials and employees. Senior officials of BSTI were present there.



The stakeholder consultation meeting on energy drinks standard formulation was held on August 19, 2024. The meeting was presided over by BSTI Director General (Grade-1) Mr. S M Ferdous Alam. Experts on standard formulation, business representatives and senior officials of BSTI were present at the meeting.



An exchange of views on quality control of poultry feed and fish feed products was held at BSTI on 1 July 2024. The meeting was attended by BSTI Director General (Grade-1) Mr. S M Ferdous Alam, along with concerned business representatives and senior officials of BSTI.



On July 15, 2024 GAIN organized a discussion meeting regarding fortification of edible oil. Mr. S. M. Ferdous Alam, Director General (Grade-1) of BSTI, was the chief guest of the meeting. High officials of BSTI and GAIN were present at the discussion meeting.



On August 8, 2024, BSTI Director General (Grade-1) Mr. S M Ferdous Alam inaugurated the training on APA implementation.



A workshop on the Digital Fortification Quality Traceability Plus (DFQT+) System Pre-Pilot Data Sharing Exercise was organized by GAIN (Global Alliance for Improved Nutrition) on September 20, 2024. BSTI Director General (Grade-1) Mr. S M Ferdous Alam was the chief guest of the programme. The workshop aimed to strengthen digital traceability and quality assurance in food fortification initiatives.



BSTI's public hearing on September 26, 2024 was presided over by BSTI Director General (Grade-1) Mr. S M Ferdous Alam. Stakeholder and Service recipients were present at the hearing and expressed their valuable opinion.



A Memorandum of Understanding (MoU) was signed between Bangladesh Standards and Testing Institution (BSTI) and US-based international organization CLASP on October 10, 2024. The MoU was signed to improve the quality of eco-friendly, energy-efficient and long-lasting LED lights and provide advanced testing equipment. BSTI Director General (Grade-1) Mr. S M Ferdous Alam and Senior Associate Asif Hasan signed the MoU on behalf of CLASP. Senior officials of BSTI and CLASP were present at the time.



On October 15, 2024, the elevator installed in the administration building was inaugurated by BSTI Director General (Grade-1) Mr. S M Ferdous Alam.



On October 24, 2024, BSTI Director General (Grade-1) Mr. S M Ferdous Alam visited the Square factory located in Pabna district. During this time, senior officials of BSTI inspected the production process of the Square factory.



On September 26, 2024, an agreement was signed with Grameen Phone regarding the use of BSTI's corporate SIM.



On November 20, 2024, BSTI Director General (Grade-1) Mr. S M Ferdous Alam presided over the certificate distribution ceremony after completing the training on Management Systems ISO 9001:2015 Internal Audit and ISO/IEC 2700:2022, ISO 45001:2018 and ISO 50001:2018 Lead Auditor Course.



At the 28th meeting of the Management Systems Certification Committee on December 4, 2024, BSTI Director General (Grade-1) Mr. S M Ferdous Alam along with certification committee members.



On December 15, 2024, the Director General of BSTI held a meeting with Malaysian representatives.



The kick-off meeting on the e-Application Management System at BSTI was presided over by BSTI's Director General (Grade-1), Mr. S M Ferdous Alam. on 2 January 2025.



A day-long workshop titled 'Safety Standards for Domestic Gas Cooking Appliances' was held on 14th January 2024 at Hotel Sonagaon in the capital. BSTI Director General (Grade-1) Mr. S M Ferdous Alam was present as the chief guest in the workshop, ADB Country Director Mr. Hoe Yun Jeong and Petrobangla Director (Planning) Mr. Abdul Mannan Patwary was present as the special guest. BSTI Director (Standards) Md. Saidul Islam delivered the welcome speech at the event.



Presentation and validation workshop on BSTI's research work was held on 15 January 2025. It was presided over by BSTI Director General (Grade-1) Mr. S M Ferdous Alam. Senior officials of the Ministry of Industries and BSTI were present at the time.



A technical workshop on 'Minimum Energy Performance Standards (MEPS) for LED and Luminaires' was held at the Westin Hotel in the capital on 18th January 2025. The seminar, jointly organized by BSTI and US-based non-profit organization Clasp. Additional Secretary of the Ministry of Industries Mrs. Maksudra Nur NDC was the chief guest, BSTI Director General (Grade-1) Mr. S M Ferdous Alam, BSTI Director (Standards) Md. Saidul Islam and Chairman of BSTI's Technical Committee for Formulating Electricity Standards, Professor Dr. Omar Faruk were present.



In a significant step toward building professional capacity in food safety and standardization, Mr. S. M. Ferdous Alam, Director General (Grade-1) of BSTI inaugurated a specialized internship program for students from the Interdisciplinary Institute for Food Security of Bangladesh Agricultural University (BAU).



A workshop titled "Smart Monitoring and Raising Awareness on the Use of Vitamin 'A' Enriched Edible Oil" was held at the Pabna Deputy Commissioner Auditorium on October 20, 2024. BSTI Director General (Grade-1) Mr. S. M. Ferdous Alam was the chief guest of the programme.



On September 23, 2024, Director General of SARSO Dr. Shahzad Afzal paid a courtesy call on Director General of BSTI Mr. S M Ferdous Alam.



A monthly coordination meeting on BSTI's activities, progress, and new plans was held on January 22, 2025, in the BSTI conference room, presided over by Director General (Grade-1) Mr. S M Ferdous Alam. The meeting was attended by senior officials from BSTI's head office and the heads of divisional, regional, and district offices.



On June 30, 2024, BSTI signed an annual performance agreement with the divisional, district and regional offices for the financial year 2024-2025.



The Annual Performance Agreement (APA) of the departments and organizations for the fiscal year 2024-2025 was signed with the Ministry of Industries and the APA Integrity Award was presented. BSTI secured 1st place as an institution in implementing the APA and BSTI Director General (Grade-1) Mr. S M Ferdous Alam received the Integrity Award.



A team of officials from BSTI, led by its Director General (Grade-1) Mr. S M Ferdous Alam conducted surprise inspections at multiple petrol pumps across the city to verify compliance with Checking calibration of fuel meters to prevent fraudulent practices.



BSTI officials were trained on APA by the organization's Director General (Grade-1), Mr. S M Ferdous Alam



On January 28, 2025, The BSTI's Product Certification Committee meeting was presided over by the organization's Director General (Grade-1), Mr. S M Ferdous Alam. The other member of the committee were present at the meeting.



A monthly coordination meeting on BSTI's activities, progress, and new plans was held on November 14, 2024 in the BSTI conference room, presided over by Director General (Grade-1) Mr. S M Ferdous Alam. The meeting was attended by senior officials from BSTI's head office and the heads of divisional, regional, and district offices.



BSTI Director General (Grade-1) Mr. S M Ferdous Alam paid a courtesy call on South Asian Regional Standards Organization (SARO) Director General Dr. Shahzad Afzal.



A workshop titled “BSTI's Smart Monitoring to Ensure Product Quality and Raising Awareness of the Use of Vitamin-'A' Rich Edible Oil” was held in Barisal on December 2, 2024. The chief guest was BSTI's Director (Grade-1) Mr. S M Ferdous Alam. The Barisal Divisional Commissioner and senior officials of the district administration were present in the workshop.



A BSTI delegation led by BSTI Director General (Grade-1) Mr. S M Ferdous Alam visited the BSP Food Products Factory in Chattagram on February 9, 2025.



BSTI Director General (Grade-1) Mr. S M Ferdous Alam inspected the laboratory equipment transfer activities and held a meeting to exchange views at the newly constructed 10-storey building of BSTI in Chittagong on February 9, 2025.



An agreement was signed between BSTI and DVFA on the Strategic Sector Cooperation (SSC) on Food and Agriculture project on November 20, 2024.



On February 25, 2024, BSTI Director General (Grade-1) Mr. S M Ferdous Alam paid a courtesy call on the New Zealand Home Minister, Mr. Rav Chatrasadhu Chatraphanparah, and representatives of the New Zealand Embassy in New Delhi.



The Director General (Grade-1) of BSTI Mr. S M Ferdous Alam participated in the Technical Committee meeting titled ISO/PC 305 Sustainable non-sewered Sanitation System held in Beijing, China from 5-10 January 2025.



A delegation from the Danish Embassy met with the Director General (Grade-1) of BSTI on November 18, 2024.



A training on skill development for BSTI officers and employees was held On March 2, 2025 presided over by the organization's Director General (Grade-1), Mr. S M Ferdous Alam.



A monthly coordination meeting on BSTI's activities, progress, and new plans was held On March 9, 2025, in the BSTI conference room, presided over by Director General (Grade-1) Mr. S M Ferdous Alam. The meeting was attended by senior officials from BSTI's head office and the heads of divisional, regional, and district offices.



Meeting with the National Food and Drugs Administration and Control Agency of Nigeria; African Quality Assurance Centre and Federal Competition and Consumer Protection Commission, Nigeria.



BSTI's product certification scheme, which is based on the international standard ISO/IEC 17065:2012, has received accreditation from the Bangladesh Accreditation Board (BAB). On March 13, 2025, BSTI Director General (Grade-1) received the product certification accreditation certificate from the Industries Secretary Mr. Md. Obaidur Rahman. The ceremony was attended by the Director General of Bangladesh Accreditation Board. Senior officials of the Ministry of Industries BSTI and BAB were present at the ceremony.



BSTI Director General (Grade-1) Mr. S M Ferdous Alam, Chairman of the safety Food Authority Mr. Zakaria and Member of the Food Safety Authority Dr. Md. Mostafa visited the Danish Veterinary and Food Administration (DVA). During this visit, the BSTI delegation met with the Deputy Director General of the DVA Mr. Tejs Binderup.



BSTI Director General (Grade-1) Mr. SM Ferdous Alam and Deputy Director of the Agriculture and Food Department Mr. Enamul Haque visited Arla Farm in Denmark.



An agreement was signed between the Ministry of Industries and Sena Oil Industries on 13 May 2025 on the Digital Fortification Quality Traceability System under GAIN's Digitization of Fortification of Edible Oil for Improved Monitoring, Quality Control and Capacity Building Project. At that time, BSTI Director General (Grade-1) Mr. S M Ferdous Alam, Brigadier Zubair Hasnat, SGP, PSC, LSC; GAIN's Country Director for Bangladesh Dr. Rudaba Khandaker, along with officials of Sena Kalyan Sangstha (Business Division-6) and senior officials of BSTI and GAIN were present.



The meeting organized on the occasion of the arrival of the delegation of Remark HB Limited at BSTI on May 14, 2025 was attended by the Chairman of Remark HB Limited, Mr. S M Ashrafal Alam, as the chief guest presided over the meeting Director General of BSTI (Grade-1) of BSTI, Mr. S M Foredots Alam. The delegation of Remark HB Limited seek BSTI's cooperation in preventing counterfeiting and adulteration of cosmetic products. BSTI Director General (Grade-1) assured all kinds of cooperation in this regard.



On Tuesday, May 20, 2025, a discussion the welcome address was delivered by BSTI Director General (Grade-1) S M Ferdous Alam meeting was held at the BIM auditorium on the occasion of World Metrology Day-2025 organized by BSTI. The discussion meeting was attended by the Deputy Vice-Chancellor of Bangladesh University of Engineering and Technology (BUET) Professor Dr. Abdul Hasib Chowdhury as the chief guest. The meeting was chaired by the Additional Secretary of the Ministry of Industries Mrs. Maksudra Noor NDC and special speakers were Administrator of FBCCI Md. Hafizur Rahman and Managing Director of Walton Hi-Tech Industries PLC S. M. Mahbulul Alam.



Meeting with Delegation form World Bank on 21 June 2025



SIDA Delegation Visited BSTI Laboratories on 16 February 2025



BSTI Director General (Grade-1) Mr. S M Ferdous Alam handed over certificate among the trainees who passed the training course on fire prevention, extinguishing, rescue and first aid; at the time he handed over the crest to the trainers on 04-02-2025.



BSTI Director General (Grade-1) along with senior officials Visit to the state-of-the-art laboratory in Chattagram on 28-June 2025



BSTI Director General (Grade-1) along with senior officials Visit to the state-of-the-art laboratory in Chattagram on 28-June 2025



Foundation Training on Scientific and Industrial Metrology Dated 07 August 2024

Pictorial View of Countrywide BSTI Mobile Court Activities



Khulna



Chattogram



Rajshahi



Rangpur



Sylhet



Faridpur



Gazipur



Cumilla



Cox's Bazar



Dinajpur



Gopalganj



Jossore



Naogaon



Pabna



Noakhali



Narshingdi



Divisional Metrology Inspectorate, Dhaka



Mymensingh



Kustia



Barishal



Gazipur



Patuakhali



MAAN BHABAN

116-A, Tejgaon Industrial Area, Dhaka-1208, Bangladesh

E-mail: bsti@bangla.net, dg@bsti.gov.bd

Hotline: 16119, Website: www.bsti.gov.bd