



বিএসটিআই'র গবেষণা প্রস্তাব

Sl. No. & Title	Description
1. Title of the Research	Standards Formulation and Quality Control: A Possible Role of Standards Organization in Bangladesh.
2. Research Problem	<p>Bangladesh Standards and Testing Institution (BSTI) is the only standards body of Bangladesh, responsible for formulating products standards as per BSTI Act 2018. Standards are formed by BSTI in different fields (e.g., electrical and electronics, mechanical, civil, textile, chemical, food etc.) having different structures. But, as a national standards organization BSTI should formulate standards maintaining a concrete structures with a same fundamental parts in standards (as much as possible). The fundamental parts of standards are Scope, Normative References (if any), Terms and Definitions, Requirements to be fulfilled to establish its fitness for purpose, Test Methods, Sampling and Compliance rules. But some of standards formulated by BSTI have not all of the fundamental parts that create difficulties in quality testing of products for quality control. There are no ethical guidelines for quality control related personnel for maintaining satisfactory level of products quality.</p> <p>As per ISO/IEC Guide 2, “A product standard is a standard that specifies requirements to be fulfilled by a product or a group of products, to establish its fitness for purpose. A product standard may include in addition to the fitness for purpose requirements, directly or by reference, aspects such as terminology, sampling, testing, packaging and labelling and, sometimes, processing requirements”.</p>
3. Justification	<p>Many Standards formed in recent days are with significant laggings; even some standards have no requirements to be fulfilled to establish its fitness for purpose! Many standards lag behind Sampling and Compliance rules. So, research is a continuous and ongoing process in standards formulation and the amendment of the standards in action. Steady research by the standards department, testing department, professional research organizations and universities all efforts in combine confirms high leveled standards following Standard for Standards. There are also huge challenges in sampling and quality testing of products, where ethics played a vital role. Quality control ethics can help to ensure high level of product quality.</p>
4. Gap of Previous Research	<p>Different standards organizations [e.g., BSI (United Kingdom), SLSI (Sri Lanka)] around the world have formulated Standard for Standards. Without forming Standard for Standards the standards formed by any standard organization in different fields (e.g., electrical and electronics, mechanical, civil, textile, chemical, food etc.) may have different structures laggings. Quality control ethics also an important issue that needs to provide high level of emphasis for standardization and quality control.</p>

5. Audience	The Standard formulating personnel, Laboratory analyst regarding quality control, researchers in quality control will be the audience.
6. Questions	How BSTI can develop Standard for Standards and quality control ethics for standard formulation and quality control of products effectively?
7. Purpose	To formulate a standard called standard for standards for developing product standards maintaining a concrete structures with a same fundamental parts in standards analyzing standardization and quality control worldwide. To formulate quality control ethics guidelines for ensuring high level of products quality.
8. Title	Standards Formulation and Quality Control: A Possible Role of Standards Organization in Bangladesh.
9. Methodology	The research work will be conducted through study and analysis method. Detailed study of relevant articles and resources (standards from renowned standards body, recent research findings, etc.) regarding standardization and quality control worldwide, analysis the achieved information then have to discuss these with stakeholders conducting couple of workshops. The stakeholders are Standards Wing, Physical and Chemical Testing Wing, and Certification Marks Wing and researchers in relevant field from university and research professionals. After detailed discussion, research will be concluded and finally, Standard for Standards and quality control ethics guidelines will be formulated.
10. Time Frame and Tentative Budget	<p>The proposed research work may need 12 (Twelve) months depending on financial and logistic support. It may requires Taka 4,50,000/- (Four Lac and Fifty Thousand Only) for document collection, conduct of workshops, Participation in Conference, etc.</p> <ul style="list-style-type: none"> a) Workshops expenditure (Lunch, Tea & refreshment) - 40,000 (Forty Thousand only). b) Workshops attendees honorarium - 60,000 (Sixty Thousand only). c) Participation in Conference(s) – 2,00,000 (Two Lac only). d) Collection of foreign standards, Recent research articles, Contingency, Travel, Training, Stationary, etc. and others for research work Tk. 1,50,000 (One Lac Fifty Thousand only). <p>This is a tentative budget. Expenditure for each category may increase or decrease at real time (maintaining estimated budget).</p>
11. Bibliography	Bibliography will be given at the end of research paper.

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