Dissertation On Sustainable Procurement in Textile & Apparel Industry

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A thesis submitted to the Department of BRAC Institute of Governance and Development (BIGD) in partial fulfillment of the requirements for the degree of Masters in Procurement and Supply Management (MPSM)

BRAC Institute of Governance and Development (BIGD)

Brac University

January 2024

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It is hereby declared that,

1. The thesis submitted is my own original work while completing degree MPSM

degree at Brac University.

2. The thesis does not contain material previously published or written by a third party,

except where this is appropriately cited through full and accurate referencing.

3. The thesis does not contain material which has been accepted, or submitted, for any

other degree or diploma at a university or other institution.

4. I have acknowledged all main sources of help.

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APPROVAL

The thesis titled "Sustainable procurement in Textile & Apparel Industry"

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ETHICS STATEMENT

This topic of the dissertation on "Sustainable procurement in the Textile & Apparel Industry" is crucial for opening up new avenues for improving the way development project activities in our textile industries are carried out. The textile business employs sustainable practices by utilizing less water, chemicals free of hazards, eco-friendly production methods, consuming less energy during production, and implementing the 3 Rs: Reduce, Reuse, and Recycle. Most people in the Bangladeshi textile and garment business acknowledge that using ethical sourcing procedures raises operating costs, which in turn drives up the cost of the final product.

The development project's objective achievement will be improved by cutting down on waste and incorrect contracts from the textile industry, even though the project is still far from its target completion point.

EXECUTIVE SUMMARY

The area's latest and greatest composite mill is found at Beximco Ltd., a reputable apparel producer that operates under the Textiles & Apparel Division and has a 100% export-focused business model. Using state-of-the-art technology, the biggest supply chain facility, and an exceptionally talented workforce, it manufactures an extensive array of superior products, embracing yarn, fabric, and knitted garments for adults, children, and teens, such as t-shirts, sweaters, polo shirts, and pants.

The goal of this study is to understand how the textile and apparel industries go about sustainable sourcing. During my Dissertation at Beximco Ltd, I had the chance to work in Supply chain and warehousing, logistic, finance & banking departments. I was able to pinpoint some important operational discoveries for the organization by drawing on my expertise working in these many divisions. The essential strength here is the presence of skilled and certified professionals as team leaders and members, as well as strong relationships with suppliers and customers. The supply chain department's lack of demand and forecast information is severe, and the production department's inadequate integration with timely goods delivery is also evident.

Based on these conclusions, I advise Beximco Ltd. to reengineer demand and forecasting in order to decrease inventory, enhance sustainable supply chain policies, assess the company's financial performance, and install new machinery in order to lower overhead costs and boost productivity. Beximco Ltd. will be positioned for long-term growth and success in the textile sector by using these strategies.

Keywords: Procurement process, supplier relationship management, logistics management, textile industry, sustainability supply chain, & procurement performance measures.

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I am also grateful of the BRAC Institute of Governance and Development Authority, particularly the course teachers, for their regular direction, mentoring, and experience sharing, all of which helped me become more educated and progressive. They served as my constant mentors, leading me constantly in the proper direction. Their advice and technical support were invaluable to my report writing.

Additionally, I want to thank all of my classmates and the Beximco supply chain team for sharing their insightful expertise, which has helped me complete this study

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LIST OF ACRONYMS

ADB: Asian Development Bank

PE: Procuring Entity

BGMEA: Bangladesh Garment Manufacturers and Exporters Association

BKMEA: Bangladesh Knitwear Manufacturers and Exporters Association

CM: Cost of Making

DPM: Direct Procurement Method

EPZ: Export Processing Zone

EPB: Export Promotion Bureau

JD: Job Description

JIT: Just in Time

KPI: Key Performance Indicator

MCD: Materials control Department

TC: Transection certificate

PMC: Product & Materials control unit

GOTS: Global Organic Textile Standard (GOTS)

RMG: Ready Made Garments.

SCM: Supply Chain Management.

SWOT: Strength, weakness, opportunity

TNA: Time and Action Calendar

TIM: Textile Industry Management

WIP: Work in progress

CHAPTER 1 Introduction

1.1 Background of the Study

The Textile and apparel industry that has been making crucial contribution to rebuilding the country and its economy is none other than the readymade garment (RMG) industry which is now the single biggest export earner for Bangladesh. The sector accounts for 83% of total export earnings of the country¹.

The apparel industry of Bangladesh started its journey in the 1980s and has come to the position it is in today. The late Nurool Quader Khan was the pioneer of the readymade garment industry in Bangladesh. He had a vision of how to transform the country. In 1978, he sent 130 trainees to South Korea where they learned how to produce readymade garments. Distributors, retailers, manufacturers, suppliers, warehouses, and transportation companies make up a supply chain. Effective supply chain management results in a shorter production cycle and reduced costs. The development of Bangladesh's textile industry and the role performed by supply chain management and sustainable procurement.

This papers is based on a field research conducted at Beximco Ltd. to obtain a comprehensive overview of the sustainable procurement in supply chain department. In our RMG industry, Beximco is using the most sustainable supply chain practices. This company uses fiber, yarn, fabric, garments, chemicals, energy-saving techniques, and social responsibility. Clothing (60% knit and 40% woven) was exported for USD 432 million in the calendar year 2023 by maintaining an appropriate and sustainable supply chain procedure. My files contain studies that I completed with the help of the finance, logistics, and warehouse departments on the fiber, yarn, fabric, and GMT processes.

¹ https://www.bgmea.com.bd/page/AboutGarmentsIndustry

1.2 Statement of the problem of this study

Through the process of sustainable procurement, businesses can meet their needs for goods, services, labor, and utilities in a way that maximizes value for money throughout the business, while also benefiting society, the economy, and the organization itself while causing the least amount of environmental harm. Purchasing goods, services, or manpower at the best possible price when factors including quantity, quality, time, and locations are compared is what procurement is used for.

We have seen that Bangladeshi RMG factories generally tend to avoid embracing the sustainable practice yet. The concept is not yet fully understood or internalized and the implementing authorities are too busy to adopt new thinking. In this backdrop, this study can actually contribute understanding the situation in a RMG sector. Being one of the biggest industry, this case and recommendation coming out from this can be helpful to understand the overall challenges of implementing sustainable procurement practices in RMG sector.

1.3 Objective of this Study

The purpose of this study is to impart the developing factors by reducing the Supply chain difficulties in textile sector. Bangladesh is the 2nd world's second-largest apparel exporter country, for the economic development needed to proper sustainable supply chain.

The study also aims to determine the challenges of minimizing the wastes in the procurement contract. The specific objectives are as follows:

- ❖ To determine the supply chain process techniques usually used by Beximco Textile.
- ❖ To determine the connection between Beximco Textile's procurement performance and supplier relationship management techniques.
- ❖ To investigate the impact of efficient contract management on achieving value for money in procurement projects.
- ❖ To assess whether procurement contracts that are formulated adequately ensure that value for money is achieved.

1.4 Methodology

To accomplish the study's goals, a combination of literature review and questionnaire survey methods were used. I have worked through the difficulties of determining where the procurement function problems are and how to remove them from the procurement contract in a way that will support the long-term growth of Bangladesh's textile and apparel industry.

In questionnaire survey methods data were collected from Beximco Supply chain Department, Production & Quality department, and Finance & Audit department.

Total number of 25 Beximco employees attended in the each questionnaire survey & received respondents 14 people from the supply chain department, 7 from the production & quality team and 4 from the finance & audit teams.

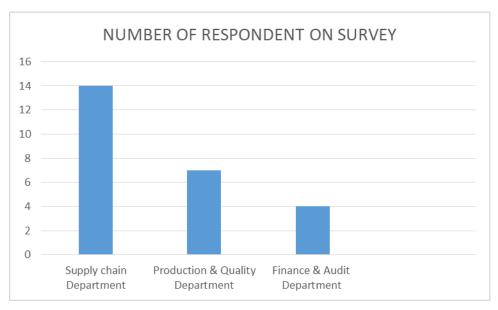


Figure-1.1, Number of respondents by each department.

The methodology of the study is briefly presented in the following flow chart:

Literature review:

- ❖ Definition of Sustaible in Fiber, Yarn & Fabric procurement.
- Basis procurement function in Textile & Apparel raw materials.
- * Root causes of procurement contract fail.
- ❖ Impact of Sustainable in procurement in textile sector.

Quantitative approach:

- Online and physically survey form to the targeted respondents.
- ❖ The targeted people are Head of procurement, officer and fiber to yarn spinning department, Logistic and warehouse (Fiber, yarn & Fabric -Beximco ltd)

Analysis and findings of the study:

Collection of information of the Procurement sales contract as primary data and compare the same with information to the secondary data.

Conclusion:

Findings, limitations & Recommendations

Figure-1.2, The methodology of the proposed study in sequential frame work

1.5 Questionnaires survey

The chosen respondents are given questionnaires via email, phone, or in person to identify the procurement of textile raw materials and obtain a summary of the outcomes about contract management, product quality and traceability, and waste determination. The purpose of the study was to reduce losses incurred during the procurement process by identifying the underlying causes of an appropriate procurement procedure and forecasting demand.

1.5.1 Respondent and their selection process for questionnaires

The respondent selection process of the survey questionaries is mainly depends on the type of questions and who can answer the questions. This survey collected who is relevant to Sustainable procurement work at Beximco ltd. Generally, the procurement contract-making persons of the organizations are the Exudative Director (head of supply Chain) with collaborates with the production and finance team.

To consider their face-to-face interview questions were asked regarding sustainable procurement function what, how, when, process etc.

1.5.2 Questionary assembly of the study

The survey questionnaires are divided into four sections they are:

- > Section A: Focuses on the participants' organizational and individual information.
- ➤ Section B: Deals with supplier and raw materials selection process, procurement process, supplier evaluation process, Traceability, transaction certificate, cost minimization and waste control process .
- > Section C: The questions related to the impact of the sustainable procurement (in terms of cost, time and value of the Industries)
- Section D: Includes the basic knowledge of sustainable product, Audit farm report checking process, production process.

1.6 Scope and limitations of the Study

The study area covers only textile raw materials fiber, yarn and fabric procurement of Beximco Textile and Apparel Ltd. One of the main objectives of the study is to examine, evaluate and analyze sustainable procurement processes and practices at Beximco as well as to identify key challenges and how they can be addressed. Superintending supply chain department employers are interviewed in this survey.

Due to some confidentialities, all information may not be possible to address easily. Lack

of Demand & forecast info follows, poor Integration with on-time goods delivery and

limited supplier assess due to on-time payment to identify this company.

1.7 Structure of the Research (arrangement)

CHAPTER-1: Focuses on background of this study, statement of the problem of this

study, objective of this study, methodology, questionary survey, scope and limitation.

CHAPTER-2: Discussion about the Beximco ltd, key raw materials purchase area,

Process flow chart, supplier evaluation, justification of sustainable traceability.

This chapter will show a clear idea about the total procurement policy and others of

Beximco ltd (textile and apparel section).

CHAPTER-3: Analyses of the findings of this study.

CHAPTER-4: Provides conclusion and recommendations of this research.

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CHAPTER 2 Overview of Beximco Ltd & Sustainable Procurement

2.1 About Beximco Group:

BEXIMCO's Textile Division is one of South Asia's largest vertically integrated textile and 100% export oriented garment companies in Bangladesh. Mr. Ahmed Sohail Fasihur Rahman is the Chairman and founded 08th March 1994. The company has a cotton and polyester-blended yarn-spinning mill with 122,000 spindle in Spinning, 488 high-speed air-jet looms in weaving and denim section and have largest knit section and many more. Imported fiber for own spinning as well yarn and fabric as per customer requirement and exporting near about USD 36 million (in year 2023) ordered garments quantity.

A majority of its plants are in the Beximco Industrial Park (Sarabo, Kashimpur, Gazipur), a vertically integrated self-contained facility. This facility provides ready access to captive power generation, water purification, liquid nitrogen, waste water treatment and other key infrastructure.² Beximco ltd have monthly capacity 6.5-7 Million Garments pcs which is mostly export on Europe and USA customers. In last October'23 exported 55% shipment to Europe and 35% to USA and rest 10% to others.

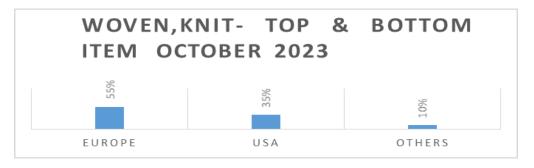


Figure-2.1, Country Wise Garments Export Ratio.

-

² https://www.beximco.com/

Some of the most well-known brands in the world, such as TARGET, Calvin Klein, H&M, JC Penney, Macys, Zara, Breshka, M&S, C&A, and Walmart, are among the Group's international clientele.



Figure-2.2, List of Beximco Major customer Name & Logo

2.2 List of Industries under Beximco Ltd

Textiles unit	Apparel Manufacturing units
Beximco Textiles Limited	Beximco Fashions Limited-1
2. Beximco Denims Limited	2. Beximco Fashions Limited-2
3. Padma Spinning Mills	3. Crescent Fashion and Design Limited-1
Limited-1 & 2	4. Crescent Fashion and Design Limited-2
4. Beximco Knitwear Limited	5. Crescent Fashion and Design Limited-3
	6. International Knitwear and Apparels
	Limited
	7. Esses Fashions Limited
	8. New Dacca Industries Limited
	9. Escorp Fashions Limited

2.3 Beximco Supply Chain Management & Procurement function

Sustainable procurement is becoming an essential tactic for businesses looking to have a good social and environmental effect. This is due to the increasing significance of environmental and social responsibility.

A dedicated team of young, experienced professionals with a lot of knowledge work in unison with both regional academics and international specialists at the BEXIMCO Sustainable Department. Beximco Textile sustainable procurement aims to increase efficiency and reduce costs for a firm, while simultaneously benefiting the environment. Here supply chain department financial resources, information, and materials in the following demand, planning, sourcing, production, inventory management, storage, distribution, and transportation, as well as the return of surplus goods that are faulty or of low quality.

In supply chain Mainly 3 flows are working, like:

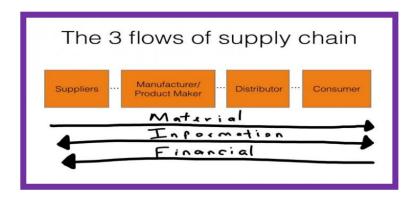


Figure-2.3, Supply Chain key flow

2.4 Bextex Ltd Supply Chain's Organogram

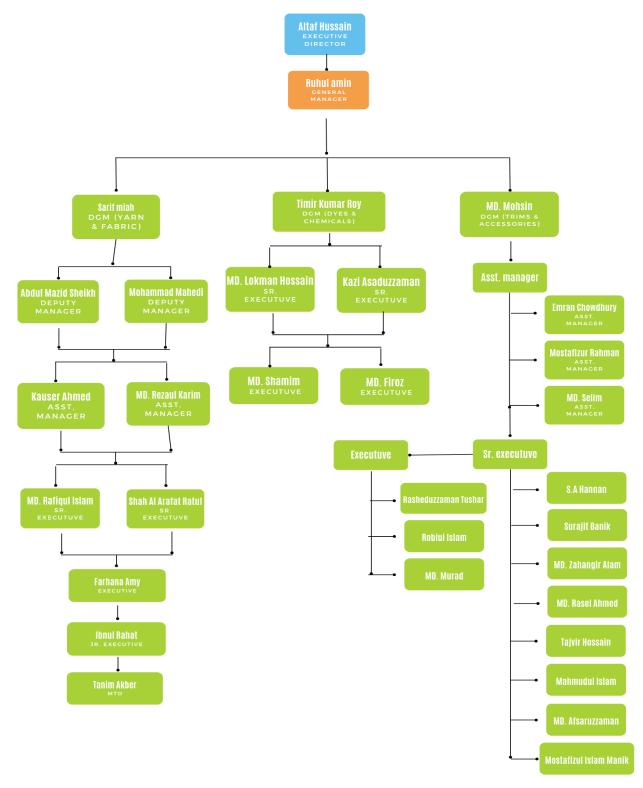


Figure-2.4, Supply Chain's Organogram at Beximco Ltd

2.4.1 Major Raw Materials Procurement are at Beximco Ltd

Fiber: Claim material like IC-1,IC-2,IC-3,100% Organic, recycle cotton, recycle poly, Lenzing product like Tensil, Viscose, Modal etc, linen and many items which is total 30% budgets of Fiber.

Yarn & Fabric: Cotton, cotton blend, Viscose, linen for their woven, Knit and Denim sector which is almost 48% of total budgets.

Chemical: 15 % from monthly budgets allocated for different chemical.

Accessories: Rest 7% allocation for Trims & Accessories.

The raw material imported from USA, China, India, Australia, West Africa, Indonesia, Thailand and almost 27 different countries.

Consider the average USD 9.5 million of monthly budget allocation of fiber , yarm Fabric , chemical and accessories are :

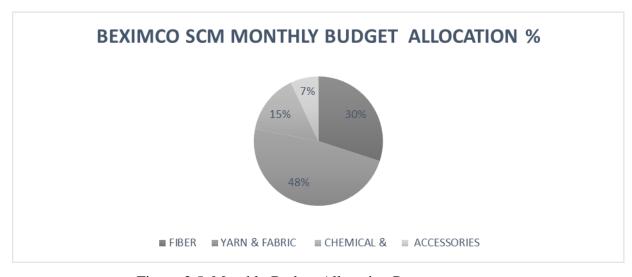


Figure-2.5, Monthly Budget Allocation Percentage

2.5 Key Drivers for Sustainable Procurement

Cost Decrease: Reductions in energy expenses, over-specification, consumption, and costs associated with social and environmental compliance are all related to reductions in the total cost of ownership.

Risk Reduction: The financial ramifications of interruptions to sustainable procurement, like non-compliance with environmental regulations, and the financial effect on the brand value of unethical supplier behavior, like child labor or local pollution.

Revenue Progress: Additional revenue through innovative eco-friendly products and services, pricing premiums, or money from recycling programs.

2.6 Reason of Choosing Sustainable Procurement

- 15-30% measurable brand value increase: Sustainable procurement practices result in brand equity (source: World Economic Forum: Beyond Sustainable Procurement)
- **90% have lower cost of capital:** 90% of studies show that effective sustainability standards lower the cost of capital for companies (source: Oxford/Arabesque)
- 9-16% sustainable procurement cost reduction: Sustainable procurement practices can reduce procurement costs by 9-16% (source: World Economic Forum: Beyond Sustainable Procurement)

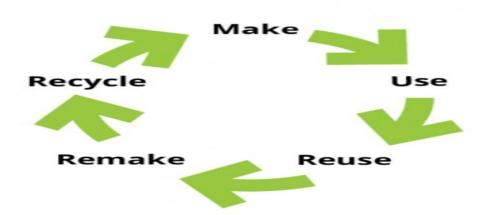


Figure-2.6, Recycle process diagram

2.7 Procurement policy at Beximco Ltd

They are actively working on developing a standard policy. Procurement functions of the company are conducted online & forecast manual purchase requisition from the Materials Planning Department (MPD). The head of the department (HOD) approves all the purchase requisitions. The following common steps are implemented as mentioned:

- The Planning department Concerned raises online requisition form approval of the concerned department HOD.
- The Supply chain department collects requisitions from MPD and sits with the concerned department to collect the specifications and details of required items.
- Local & foreign sourcing is conducted to collect quotations to make a comparison statement.
- Procurement HOD evaluates the quotation and selects supplier provide approval to procure goods from the selected supplier.
- After completing the necessary formalities supply chain department places the order and gives delivery schedule.
- •The Supply chain department issues Purchase orders for local procurement and establish transaction for Customers.
- The Supply chain department ensures delivery schedule, quality, quantity and price monitoring with the supply.
- The supply chain department works with the finance department to arrange the money needed to retire banking documents, as well as the necessary duties and taxes, in order to clear products from the vendor's warehouse.
- In order to request payment release from the finance department, the supply chain department first verified the bill against procurement. Payment is released by the finance department after conclusion of the audit.
- The Supply chain department does all the procurement activities ensuring all the ethical practices.

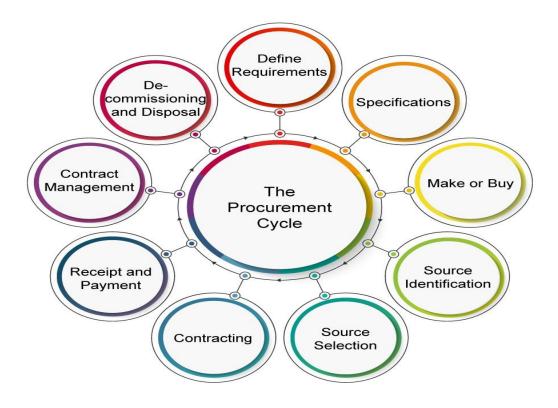


Figure-2.7, The Generic procurement cycle. (source: www.distancelearningcollege.co.uk)

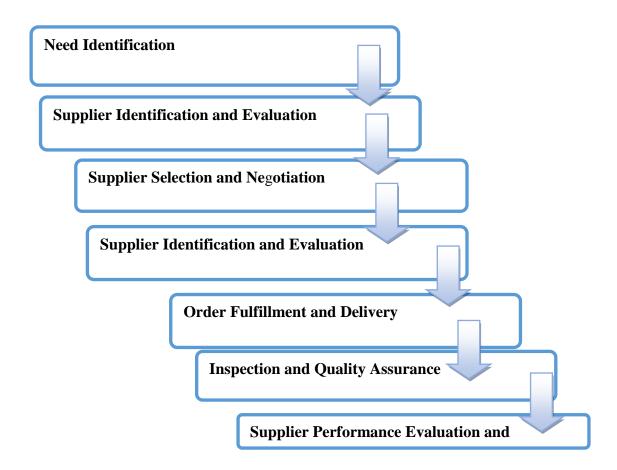
2.7.1 Procurement Management Software

In Beximco supply chain orders and key data are tracked through Kandaree, Kuehne+Nagel (for buyer Inditex), ERP software, Microsoft offices like PIVOT table and NOW is the latest software which is running the trail basis.

An effective Sustainable procurement required proper traceability from raw materials cultivation end user. To justify total quality procurement Beximco Ltd have good practice from supplier selection to certificate crosscheck. Followings steps are involved which data I've collect from Procurement team.

2.7.2 Steps involved in a Procurement Process

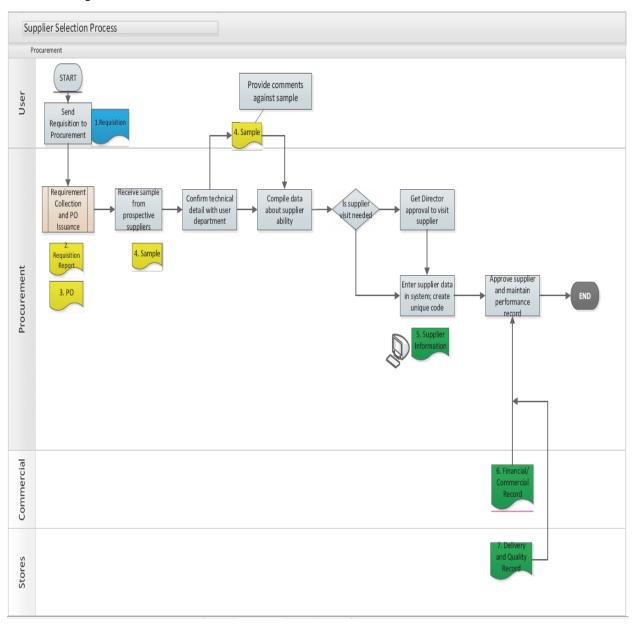
There are different ways to optimize procurement activities with controlling costs, and maintaining operational efficiency.



2.7.3 Sustainable Supplier Selection of procurement

The Sustainable Supplier Selection process detailed here is performed to ensure that suppliers of right quality and proven record are chosen for delivery of raw materials so that process, quality and temporal commitments can be met by production.

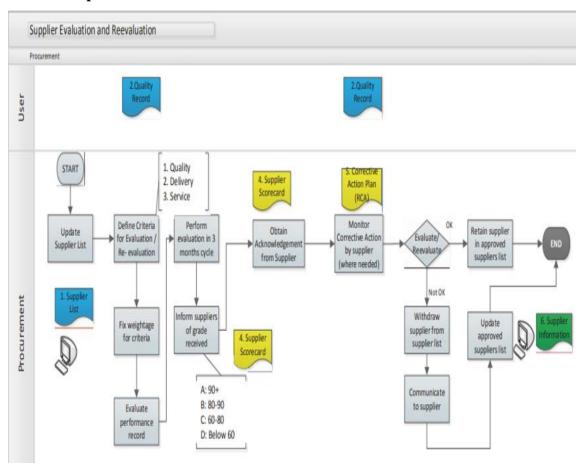
Process Map:



2.7.4 Supplier Evaluation and Reevaluation

The process detailed here is concerned with the evaluation of selected suppliers to ensure that sourcing is done with the best performing suppliers and the suppliers who are not meeting supply demands in terms of quality and timeliness are replaced.

Process Map



Procedure:

- 1. Procurement users to update supplier list as per approved suppliers in system.
- 2. Procurement team to define criteria for evaluation/ reevaluation viz. delivery, service and quality, or as per business requirement.
- 3. Procurement head to decide weightage for each criteria based on criticality as per business requirement
- 4. Based on records and reports collected from commercial and stores, Procurement users evaluate the performance of suppliers. To start with, a 3 months cycle can be used for the evaluation.

2.7.5 Shipping Document Check List for sustainable procurement

CI Checking List	PL Check List	BL Checking List
CI Number	CI Number	BL No.
CI Date	CI Date	BL Date
Description of Goods	Description of Goods	Issuing Bank
Unit Price	Qty-Net wt./Gross wt.	Consignee Name & BIN
CI quantity	No. of Carton	Notify Party & BIN
CI Amount	LC no. & Date	Address/Shipping Line
LC no. & Date	LCA NO.	CI Number
LCA NO.	PI Number	CI Date
PI Number	H.S Code	Description of Goods
H.S Code	Buyer Bank	Qty-Net wt./Gross wt.
Freight Charge		No. of Carton
If is Partial Shipment		LC no. & Date
		LCA NO.
		PI Number
		H.S Code

2.8 Sustainability in Procurement in our RMG

The green readymade garment (RMG) factories in Bangladesh are characterized by their unwavering commitment to sustainability, setting them apart in the global textile industry. This commitment extends to various aspects of their operations, from the materials they use to their waste reduction strategies and overall sustainable practices.



Figure-2.8, Pillar of sustainable procurement (Source: https://www.linkedin.com)

Speed up the smooth garments production required the sustainable procurement plan. Several factors that depend on Procurement in readymade garments sector like demand ,forecast ,finance flow , sustainable manpower who can handle the docs properly, sustainable supplier , Materials cultivation process , logistic , warehousing, material handling, quality department and production unit . Beximco Ltd are flowing process order base and forecast or Block booking wise. Considering economic, environmental and social responsibility Beximco make their short and medium terms basis procurement plan.

Examples of achievable sustainable procurement targets are given below:

Economic:

- ✓ In competitive market need achieve value for money while purchase decision making.
- ✓ Inco Terms is big factor, before confirm the order must analysis which one is lower cost CFR, FOB, EX-WORK or CPT with lead time.
- ✓ Quality must recheck before confirm the order to avoid additional cost.

Environmental:

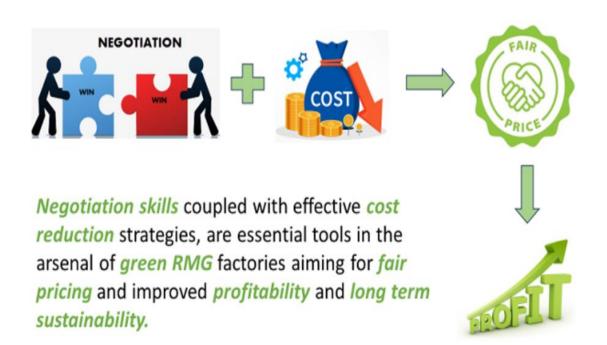
- ✓ Recycle product can minimize the environmental pollution, energy & water saving. Buyer are moving all items to Sustainable instead of traditional items.
- ✓ Organic raw cotton, recycle cotton, recycle polyester certification must keep record for the long term success.

Social:

✓ A social and sustainable procurement policy and approach can help companies make responsible purchases that benefit society, the environment, and the economy as a whole.

2.9 Negotiation of contract management

In order to secure fair pricing and improve profitability, green ready-made garment (RMG) companies in Bangladesh rely largely on their abilities to negotiate. Effective negotiation is crucial to ensuring that the value of ethical and sustainable practices is acknowledged and fairly compensated in a competitive market where these come at a cost.



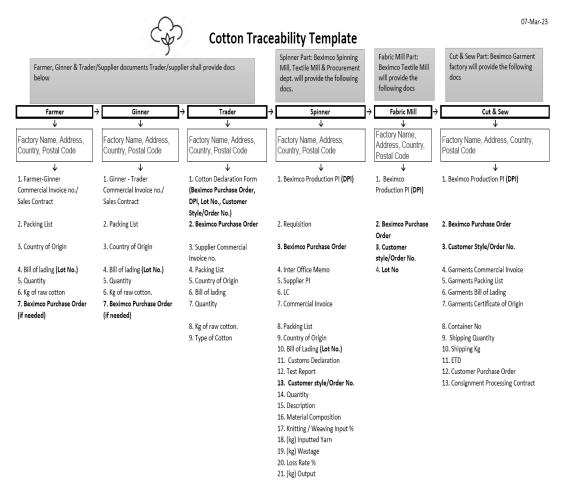
3

Figure-2.9, Negotiation of sustainable procuremnt (source : Google .com)

2.9.1 Fiber, Yarn Traceability and certification

In sustainable procurement product trace is supreme important part. Here Fiber traceability is the ability to track the origin and movement of cotton from farm-to-end product. It is a way to trace the full life-cycles of cotton, including the production, processing, and consumption of cotton products. Traceability helps to ensure that cotton is responsibly sourced and produced, which helps to promote sustainability and ethical production. It also helps to reduce the risk of contamination, fraud, and other unethical practices. So our expectation from NOW is they develop a Cotton Traceability Portal that meets the needs of organizations and ensures accurate, up-to-date traceability information.

³ https://www.textiletoday.com.bd/revolutionizing-bangladeshs-green-garment-industry-strategies-for-fair-prices-and-profitability



Traceability: Cotton fiber tracibility farmer to garments

To achieve the strictest standards of sustainability and safety, the supplier needs to have current certifications. Upon order confirmation, suppliers are obligated to furnish all current certifications. Certificate for OEKO-TEX Standard 100, Organic (OCS & GOTS), GRS, RCS, proof of BCI membership or ID number, copy of business trade license.

Some Certification of Beximco Sustainable procurement:



Increasing ethical practice to reduce quality product and cost minimization have to check quality. In my study have collect following raw material test report with Certification.

	:07:07 PM													Seri	al No.:	Cabinet
erator:	Habil							O.L.	Pla	Moist	Rd	+b	C Grade	Tr Cnt	Tr Area	Tr Grade
e ID	SCI Grade	Mic	Mat	Len	Ant	Unf	SFI	Str	Elg 7.1	6.8	78.5	7.2	31-2	5	0.08	1
	135	3.98	0.88	29.16	630	80.5	8.9	32.9		6.7	76.4	7.7	41-1	6	0.10	1
	155	3.89	0.88	30.68	521	83.0	6.5	34.6	6.2	6.8	78.9	7.9	31-1	7	0.19	2
	168	3.90	0.88	30.20	622	85.8	6.6	34.4	6.9	6.8	78.1	7.6	31-2	4	0.04	1
5	156	3.89	0.88	29.95	518	83.3	6.9	34.6	6.7	E 10	76.9	7.4	41-1	6	0.07	1
	146	3.83	0.87	29.57	617	82.3	7.7	33.3	6.3	6.6	73.9	7.4	41-2	11	0.09	1
}	151	4.01	0.88	29.67	529	84.2	6.9	32.9	6.5	6.5	74.3	7.4	41-2	9	0.14	1
)	143	3.91	0.87	29.34	649	82.5	7.6	32.9	5.8	6.4	76.3	7.3	41-1	21	0.20	2
)	146	3.95	0.88	31.12	487	82.1	7.6	33.0	7.2	6.5	77.1	7.6	31-2	12	0.08	1
	163	3.84	0.88	29.64	509	84.6	7.1	35.3	6.3	6.7		7.8	41-1	3	0.08	1
1 2	165	3.87	0.88	29.90	449	85.1	7.1	35.2	6,1	6.9	75.8 77.8	7.5	31-2	13	0.09	1
3	151	3.81	0.88	29.57	582	82.1	7.5	34.8	6.3	7.0	7.000	8.0	31-2	4	0.06	1
4	146	3.84	0.87	29.41	542	82.2	7.6	33.6	6.4	7.1	76.0	8.3	31-2	3	0.05	1
15	147	4.46	0.90	29.54	420	83.2	7.5	34.1	6.6	6.7	76.4	7.9	31-2	6	0.12	1
	136	4.48	0.90	29.18	516	81.5	8.0	33.4	7.2	6.6	76.4	8.7	31-3	5	0.11	1
.6 17	146	4.51	0.90	29.49	639	83.5	7.1	33.5	6.0	7.3	76.4	8.2	31-1	4	0.06	1
18	147	4.29	0.89	29.11	711	83.1	7.5	33.7	6.0	7.3	77.6	8.9	31-3	3	0.04	1
19	153	4.49			515	84.6	7.1	34.0	6.6	7.2	77.1 76.8	8.5	31-1	9	0.09	1
20	157	4.43	0.91	29.67	597	84.5	7.0	35.3	6.3	7.2	77.3	8.1	31-2	5	0.06	1
21	146	4.72		29.34	709	83.4	9.9	34.4	5.7	7.1	78.0	8.0	31-1	3	0.05	1
22	151	4.13		A CONTRACTOR OF	571	83.2	7.1	33.8	8.0	7.0	77.4	8.0	31 1	8	0.11	1
MEAN:	146	4.08			560	82.6	7.6	33.7	6.8	0.3	1.4	0.4		4	0.11	1
TD DEV:	8	0.27			90	1.0	0.6	1.1	1.0	4.0	1.4	4.6		55.1	100.0	54.9
ł CV:	5.4	6.6	2.3	1.4	16.0	1.3	8.3	3.2	15.2	4.0	1.0	4.0		3311	.,,,,	

Traceability: Quality test report of cotton fiber



Transaction Certificate (TC) Transaction Certificate Number 23-487145

Transaction Certificate Number 23-487145 for products certified to Global Organic Textile Standard (GOTS)

1. Certification Body		2. Seller of Certified Products					
IDFL Laboratory and Institute		The Suminter Organic and Fair Trade Cotton Ginning Mills Pvt					
Jinlu Yinzuo Building 1 Floor 5 Tonghui Mid-Road 688 Xiaoshan Hangzhou 311208 Zhejjang China Licensing Code of Certification Body	c GOTS-IDFL-24	Ltd R.S.No.566 & 567, Opp. Railway Station Road, Manavadar, Junagadh 362630 Gujarat India SC Number: 23-469076 License No: 015316					
3. Buver of Certified Products		4. Gross Shipping Weight					
BANGLADESH EXPORT IMPORT CO.	LTD.	75,578.00 kg					
SARABO, KASHIMPUR, GAZIPUR, BA Bangladesh	NGLADESH	5. Net Shipping Weight 75,343.00 kg					
	ľ	6. Certified Weight					
		(GOTS) 75,343.00 kg					
 i. the raw material(s) for the products a and Declared Countrylarea of Origin "Certified Weight" has/have been pro GOTS, and 	is further detailed/referred to and quantified in Box 4 "Go duced in accordance with (ducts" have been processe	d by the seller named in Box 2 "Seller of Certified Products": o I mox 10 "Certified Products", Box 11 "Certified Raw Ma terials ross Shipping Weight", Box 5 "Net Shipping Weight" and Box 6 an) organic farming standard(s) which is/are recognized by the d in accordance with the GOTS. Conformity with the standard is certification body named in Box 1.					
Certification of the organic material of	used for the products lists	ed complies with USDA NOP rules 🗹 Yes 🗆 No					
		Certified Product" to use the GOTS logo or make reference to the le latest version of the document "Conditions for the Use of GOTS					
8. Certified Input References							
Input TCs:	ORG/TC/2212/001552; C	RG/TC/2301/001079; 41406; 42900					
Farm SCs:	ORG/SC/1808/001717; C 221031	OCI-6062-230320; ORG/SC/1510/002338; OCI-6957-					
Farm TCs:	ORG/TC/2212/001552; 4	1406; ORG/TC/2301/001079; 42900					
Trader TCs for Organic Material:							

Place and Date of Issue Taipei, 2023-05-23

Bryan Mortensen, Global Audits and Certifications Manager Certification Body



Standard



QR Code



Seller License No. 015316

Traceability: Transaction certificate of organic cotton



Transaction Certificate (TC)

Transaction Certificate Number IDF-24-574607, version 1 for products certified to GRS

1. Certification Body	2. Seller of Certified Products					
IDFL Laboratory and Institute	MALIHA POLY TEX FIBER INDUSTRY LIMITED					
8F., No. 312, Sec. 2, New Taipei Blvd., Xinzhuang Dist.	Gechua, Nalua, Shakhipur					
New Taipei City, 242032	Tangail, 1950					
Taiwan	Dhaka Bangladesh					
Licensing Code of Certification Body: CB-IDF	SC Number: IDF-23-539512					
	Textile Exchange-ID (TE-ID): TE-99950146					
	IDFL Client No: 018078					
3. Buyer of Certified Products	4. Gross Shipping Weight					
Beximco Limited (Bangladesh Export Import Company Limited)	18,638.00 kg					
Beximco Industrial Park, Sarabo, Kashimpur, 1346 Gazipur,	5. Net Shipping Weight					
Dhaka, BD-C, Bangladesh, BD.	18,562.40 kg					
Dhaka, 1346 Dhaka Bangladesh	6. Certified Weight					
	(GRS): 18,562,40 kg					
TE-ID: TE-00060048	(Only), zotobe no ng					

7. Declarations by Certification Body

This is to certify that, based on the relevant documentation provided by the seller named in Box 2 "Seller of Certified Products":

- i. the raw material(s) for the products as further detailed/referred to in Box 10 "Certified Products", Box 11 "Certified Raw Materials and Declared Country/area of Origin" and quantified in Box 4 "Gross Shipping Weight", Box 5 "Net Shipping Weight" and Box 6 "Certified Weight" has/have been produced in accordance with the GRS, and
- ii. the products in Box 10 "Certified Products" have been processed in accordance with the GRS. Conformity with the standard is audited and monitored systematically under responsibility of the certification body named in Box 1.

This transaction certificate does not entitle the Box 3 "Buyer of the Certified Product" to use the GRS logo or make reference to GRS. The rules for the labeling of GRS certified products are outlined in the Textile Exchange TE-301. Standards Claims Policy, (available on www.TextileExchange.org/Certificates.

8. Certified Input References

Input TCs:

Not Applicable

Place and Date of Issue

Taipei, 2024-01-11

Bryan Mortensen, Global Audits and Certifications Manager Certification Body



Standard



QR Code



Seller License No. TE-99950146

Traceability: Transaction certificate of Recycle fiber



CERTIFICATE OF CONFORMITY SHANGHAI PROPP TEXTILE CO., LTD.

REGISTRATION ADDRESS : 1/F, BUILDING 1, NO.9565, HUQINGPING ROAD, QINGPU DISTRICT SHANGHAI, CHINA

OPERATION ADDRESS: ROOM 828, NO.698, LANE 1588, ZHUGUANG ROAD, QINGPU DISTRICT, SHANGHAI, CHINA

Bureau Veritas Certification certifies that the company mentioned above meets the requirements for European Flax certification according to the following standards:

« EUROPEAN FLAX® Standard»

Version: 2019



European Flax. Premium linen fibre

European Flax® is the guarantee of traceability for premium linen fibre grown in Europe. A natural and sustainable fibre, cultivated without artificial irrigation and GMO free

> EUROPEAN FLAX® is a registered trademark belonging to the CONFEDERATION EUROPEENNE DU LIN ET DU CHÂNVRE [EUROPEAN CONFEDERATION OF FLAX AND HEMP // CELC]



Scope:

SALES OF LINEN FIBER, YARN, FABRIC, GARMENTS, HOME TEXTILE

Certificate issuance date :

03/11/2022

This certificate is valid until

Date:

02/11/2025

Certificate n°: BVFR16230157 Account n°: 16230157 03/11/2022

Laurent CROGUENNEC - Vice-President



Certification Body address:

Bureau Verilas Certification France Le Triangle de l'Arche 9 Cours du Triangle 92937 Paris La Défense – France

More information about the European Flax Certification is available on the website http://www.europeanflax.com or by asking CELC or Bureau Veritas Certification France

In order to check the validity of this cartificate please call +33 1.41.97.00.60 or consult the European

Flax database http://www.europeanflax.com

Traceability: Certificate of Linen

2.10 SWOT Analysis of Sustainable Procurement at Beximco Ltd

Strength

- Skilled and Certified procurement professionals teams.
- Strong negotiation& purchasing power.
- Multiple vendor management practice.
- Strong relationships across the supply chain.

Weakness

- Lack of Demand & forecast info follows.
- Poor Integration with on time goods delivery.
- Limited supplier assess due to on time payment.

Opportunities

- Leverage supplier innovation & new development.
- Increase buying power by working with co-ops.

Threats

- Downturn causing cash flow issues due to Janata Bank.
- Changing import regulation & polices.
- Product price competition enhance new supplier market entry.
- Limitation of LC value for

CHAPTER 3 Data Analysis and Findings

3.1 Analysis and Findings of the study

This Chapter represents an analysis of collected data through questionnaire survey from respondent of different procurement departments and provided information in detail from the survey. The questionnaire was sent to the respondent through e-mail, Telephone and physically.

The Beximco ltd procurement employee, finance and banking team, spinning and mostly received the questionnaire. Most of them are procurement practitioners with varying levels of experience who work at Beximco Ltd. and are involved in contract implementation. The information was gathered by having respondents complete the questionnaire in order to accomplish the study's goals, which are outlined in the first chapter. The questionnaires were created with a series of questions covering the difficulties in implementing sustainable purchasing procedures to meet our demand for readymade garments items.

3.2 General information of the interview Respondent

Five female respondents were among the 25 officials that were questioned for the study. 6 of them were senior officials, 10 of them were above the level of senior executive, and the remaining junior executives to senior executives level who were 80% male and 20% female.

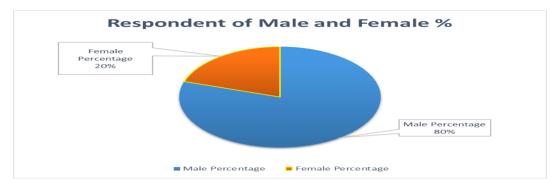


Figure-3.1, General data of the male and female respondents of the survey

3.2.1 Respondent's educational qualification

The survey respondents were two categories, viz. (1) Certified supply chain professional respondents (2) General education background respondents. Certified supply chain professional respondents were 48% and General Education background 48% who are completed minimum HSC level. The highly qualified respondent officials were Head of the Supply chain of Beximco textile and apparel division. The respondents were asked for their position and educational qualifications of their organization.

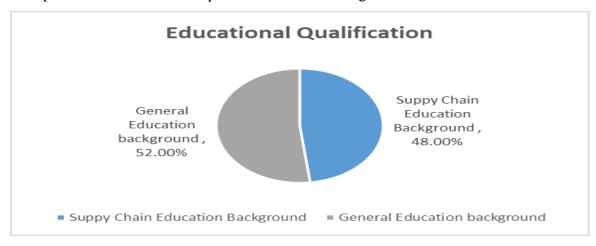


Figure-3.2, The educational qualification of the respondents of the survey

3.2.2 Professional background

Among the respondents the Executive Director & Head of the Supply chain of Beximco textile and apparel division and their subordinate 11 officer are supply chain background files and while the remaining 13 officer have general background. The respondents interviewed were supply chain team, Finance & Audit, logistic, warehouse, Quality team and production skilled persons.

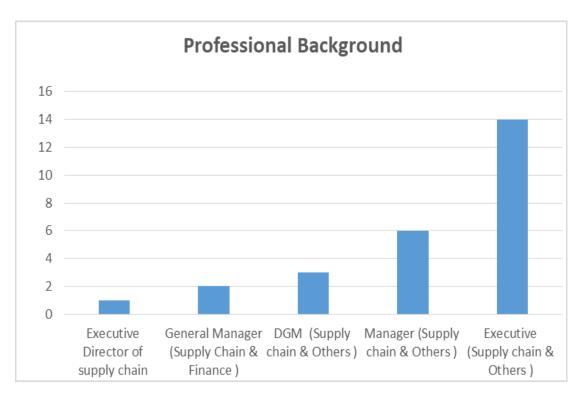


Figure-3.3, Professional Background of the respondents of the survey

3.3 Sustainable procurement process at Beximco ltd

Sustainable purchasing is analyzing raw materials critically in order to help the textile and clothing industries achieve the best value in purchasing decisions that is, a total cost of ownership with a minimal impact on the environment and society. In Section B of the questionnaire, participants were asked about the sustainable procurement process, quality issues, and traceability of sustainable products. Effective sustainable procurement depends on their plan (short - terms or long-terms), policymaking (buy or make), traceability (proper checking & monitoring), and activities that is applicable for data reporting. According to the opinion of the respondents the Sustainable procurement systems were as follows (Figure 3.4)

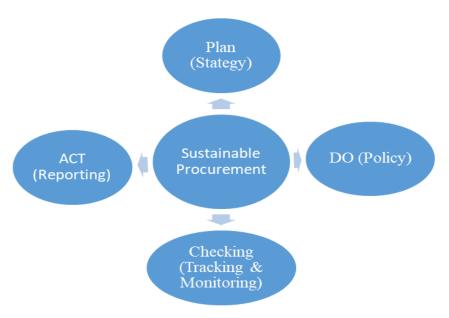


Figure-3.4, Sustainable procurement process step

3.3.1 Traceability of sustainable supplier & product at Beximco ltd

Suppliers that are environmentally sustainable are companies that offer goods and materials that conform to a company's ethical and ecological standards. In Beximco ltd before confirm the raw materils tacre the sustainability of the supplier and materils which follows this sequence:

Farmer \leftarrow Ginner \leftarrow Cotton Supplier \leftarrow Spinner \leftarrow Fabric Mill \leftarrow Cut & Sew. Supplier scoring every yearly review where Below - 75 is fail. During my study have collected sustainable supplier score card and evaluation form.

Numerical Scores	Letter Grade		
90 & Above	A+ Excellent		
85 - 90	A Good		
80 - 85	B + Average		
75 - 80	B Poor		
Below - 75	C Fail		

Table – 1: Sustainable Supplier Sore card

BEXINCO	Supplier Score Card	Date: 23.08.2023			
Supplier Information:					
Name & Address: ALLWIN Trading Ltd Unit-1606-1607, The Prism Tower, Business Bay. Dubai, UAE	Assesment Result	□ Selected	□ Reject		
Email: sadek.dossa@dossacotton.com	Score Achieved	91			
Contact No: :+ 923002484869	ocore remered	71			
Contact Parson - Mr. Sadek					
Categories and criteria of vendor selection process					
1. Quality:		Score weightage	Score achieved		
Sample Performance	Critical	5			
Human resources		3			
Sample Lead-time	Critical	5			
Cooperation		2	2		
Quality management	Critical	5	5		
Uzbek / Xinjing Cotton	Auto Fail	10	10		
2. Capacity:					
Production Lead-time		3	3		
Technical handling		3	2		
3. Technology or Innovation:					
Resources		3			
Product/know how		3			
Innovative power		3			
Cooperation		,	,		
4. Commercial aspects:					
Price	Critical	8			
Quotation behavior Contract		3 2			
Process		2			
Cooperation		2			
5. Risk:					
Financial stability	Critical	5	5		
Market/dependence		2	2		
Availability/delivery capability		2	2		
6. Compliance:					
Industrial safety		3			
Environmental protection	A	3			
Child Labour Forced Labour	Autofail Autofail	10 10			
Total Score	Autoran	100			
Assesment Done by Mr. Altaf Hussain (Prcurement Exucative Director-Supply Chain Department)					
Note: Minimum Score for Selection is 75					

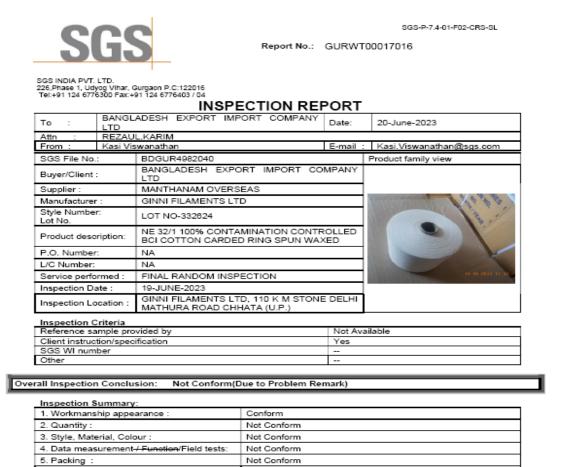
Traceability: Supplier Score card at Beximco Ltd

Supplier Annual Evalu	nation Form			
Supplier Deformacións	Supplier Type:			
Narue & Address Hangshou Benna Chenifher and Spinning Co., LTD Bankei Village, Gush Town, Xinnshun Diurici, Hangshou City, Zhejiang Powince, China.	n. Basic operation of your organization:			
Ernal: charry(s)th/briting com	□ /Manufacturer □ Distributor □ Service			
Cowart No. +96-13606636278	h. Products or Services provided: Recycled polyester staple fiber			
Signatus Authority: Cherry Zhou Designation: General Manager	e. Product Range : Raw White, Dope Dyed, Functional/ 1.3D/1.4D x32mm/38mm t 102mm			
Production Capacity: 188,000 ten/year: Number Of Engloyer: 260	d. Major Cantorners: The weedoers of BEEA, Uniqle, H&M, Target, GAP, Decetion, CdA, Indice and Coass, A&E			
Corpury Temorer: US delian 250million (extended the questry in 2023) Machines initialist: Perfection	a. Countries cotton is Sourced Sten: - Benna only produces/uses polycular			
Please abuse last 3 years financial statement of the company				
	XISON			
Can you Provide country of Origin of Supplied Products	Vas			
2. Does your company uses Udock or Turkmenistan , Xinjiang province cotton in any form in its active supply chain				
3. Will you person us to outil your Organizations quality management system at a manually acceptable time?	Yes			
учения при	15			
W. A				
 Means lie your internationally recognized certifications *: Certificate(s): GRS Certificate. OEKO-TEX 100 Closs 1 Certificate. OceanCycle Certificate, FDA Certificate. Carl 	Total Control Control			
Contract Con	es rouped Assesses Catalicate			
Please forward a copy of certificate.				
C No. of Lune 10 to 10 t	CONTRACTOR OF THE PARTY OF THE			
C. Phrase provide Which Quality standard you steeply with	□ / ISO □ Sky signul □ Others			
Fyour do not have a formal documented quality energowers system, please answer the following:	Plante specify			
l. How do you enters you clearly understand Buyor's Quality requirements?				
2. Have do you enter that your products recoving will recet beyork quality requirements!				
5. How do you ensure products you reject do not accidentally per shipped to Bayer?				
How 60 you assistate nov muorial treatability?				
the second statement of the second se				
 Bo you have a corrective action process for significant or recurring problems? How will it be responded to? 				
D. Are You a Member Of BCI (If Applicable)? —— Not Applicable, Bermi only produces is a polyeste	C.			
E. Do you have GOTS, OCS, GRS, certificate? We have GRS certificate				
F. Do you have any sustainability program? We have Carboo Feorprist Assessment Certificate.				
The corbon footprint of 1 terms of BENMARPET BM10M is 1,417 tCO2 eq.				
G. Is there any third party Social Audit carried out in Last one year, If yes Please share Audit report.				
 Last Auftschie: (5th, Dec 2022 2, Certification: searc 94% 3, 3rd Part 	V Auditor :BUREAU VERITAS			
F. Is shild Labour and forced Labour prohibited in your contains Yes	-			
The same Calculation I patter Calculations of your contains Yes				
Completed By (Name, Sign)	4.1.7			
Composite by (Name, Sign)	Designation: Date:			
Colar	(- 1 11 3			
	Eveneral Manager 2018.			
	- 0			
	~			
WIMETER				
Chineston				
多数数据				
a Dir. A. W.				
富松 A 三香				
BE TO THE				
13.2				
1818				
台回号田音				
73/44				

Traceability: Supplier Annual Evaluation At Beximco Ltd

3.3.2 Quality inspection to Justify sustainable procurement

The respondent's opinion without quality inspection they don't send it for production floor to avoid any further wastes. If quality not comply with specification supplier will return back the goods.



Inspector: MR. KOTESWARA RAON Factory Representative: MR. ABHISHEK RAWAL

In accordance with Client's instructions, SGS's involvement has been limited to witnessing/observing (no testing performed) a third party's intervention(s) at the third party's laboratory/test house or other facilities and installations used for the intervention(s). SGS's sole responsibility was to be present at the time of the third party's intervention(s) to forward the results, or confirm the occurrence, of the intervention(s). SGS is not responsibile for the condition or calibration of apparatus, instruments and measuring devices used, the analysis methods applied, the qualifications, actions or omissions of the third party's personnel or the analysis results. While issuing this report, SGS does not take any responsibility as to whether the test observed by SGS is actually relevant to support any specific commercial claims. This report does not grant a license to use the SGS trademark or logo for marketing purposes

"This document is aliesed by the Company under its General Conditions of Service accessible of Into Deves on combant terms and Conditions, aspections, and within the limits of Claims. Any hotizer of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Claims, and the content of apparatus to a transaction from exercising all their rights and content of the fullest extent of the law."

Actual Finding

6. Marking / Label:

Figure-3.5, Third party yarn quality inspection report.

3.3.3 Sustainability Risks assessment, Demand and Forecasting in Procurement

Supply chain operations could encounter difficulties with sustainable buying, such as having to spend additional resources and time to identify suppliers who fit sustainability requirements. Additionally, performance measurement is complicated and expensive and calls for the creation of instruments, processes, and indicators to monitor and record advancement. In addition, adopting sustainable procurement techniques may expose you to new risks like quality problems or supply disruptions, demanding audits, due diligence, and backup plans to identify and control these risks.

Among the respondents, they are frequently facing the following risk for specific procurement process in considering 100 orders:

- 1. **Supply chain Delays:** On time goods in-house faced with the obstacle 18% time due to on time lc open, delay transit lead time,
- 2. **Employer error:** Improper document checklist PI, Invoice, BL, IGM occurred 3-5% time as a result delivery delayed from Customs.
- 3. **External problem:** Political unrest, Trade union issues hamper to get on-time goods in-house.

To run the production required textile raw materials monthly 2000 metric ton include fiber and yarn. After covid-19 sustainable items requirement rapidly grow up. Garments Buyer ZARA, PHV, M&S, Bershka, C&A, Target maximum customer recently focus sustainable product instead of regular and within 2030 have target upto 70%. Sustainable (organic fiber & yarn, Recycle cotton & poly, Lenzing product) and regular items (conventional cotton, poly) Beximco ltd have procure in year 2023 (Figure:) here January 2023 sustainable items was 300MT and December 2023 was 900 MT from 2000 MT which is almost 33.33% grow up in last calendar.

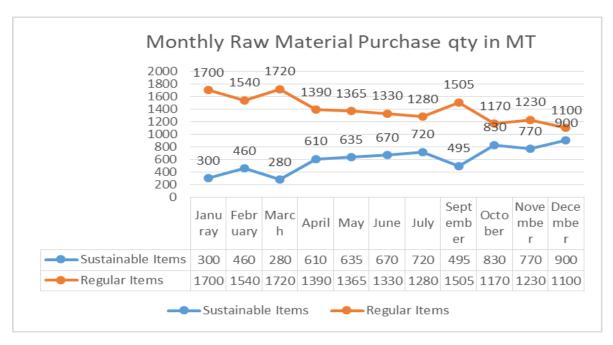


Figure-3.6, Monthly Sustainable and Conventional items procurement summary 2023

3.4 Convenience of sustainable procurement of global business

According to the opinion of the respondents Sustainable buying is economical, advantageous to the environment, and enhances a business's reputation. However, it won't be easy. Consider eco-friendly suppliers, these can be more costly. Furthermore, it could be difficult to stop past behaviors. Thus, despite the fact this is a sensible choice, it presents a challenge.

Adopting sustainable procurement practices opinion of the respondents are:

Cost Savings: 7-9 % cost saving according to participant data in terms of its save quality check, smooth production, easy goods handle.

Revenue Growth: Average garment sailing cost 5-7% higher than conventional items. Suppose a regular cotton T-Shirt price USD 2 and the same item which is made by Organic price should be USD 2.15. In calendar 2023 at Beximco, overall review growth 7-8% for sustainable procurement.

Supply chain transparency: Data uploaded online platform; buyer and company employer easily trace the data goods' position mapping, lead time etc. During Covid and after Covid business grew up 10-15%.



Figure-3.7, Tag of sustainable product (Source https://www.forbes.com)

3.4.1 Limitations sustainable procurement process at RMG sector

The respondents cited, till now our RMG sector not fit yet with proper sustainable procurement system. During my study have some findings limitations of sustainable procurement, some are:

- ✓ Insufficient understanding of sustainable procurement practices.
- ✓ Fail to meet competitive prices due to lack of negotiation skill.
- ✓ Poor contract management and traceability data check.
- ✓ Lack of commercial, freight forwarding and warehouse knowledge.
- ✓ Supplier relation management is big issue to be maintain sustainable procurement, lack of transparency one of the big issue to fail sustainable procurement.
- ✓ Poor data of supplier's past and current projects track records.
- ✓ System integration & high cost setup lack to fail sustainable procurement.

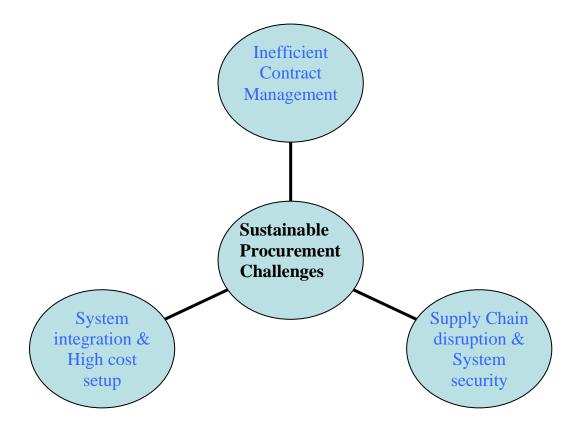


Figure-3.8, Limitation factors of Sustainable procurement

3.4.2 Impact, Future and development of sustainable procurement

The Recycled Textile Market size is expected to reach US\$ 8.32 billion by 2030, from US\$ 5.61 billion in 2023, growing at a CAGR of 5.8% during the forecast period. By material type, the market is segmented into cotton, wool, polyester, nylon, linen, viscose rayon, and others. ⁴

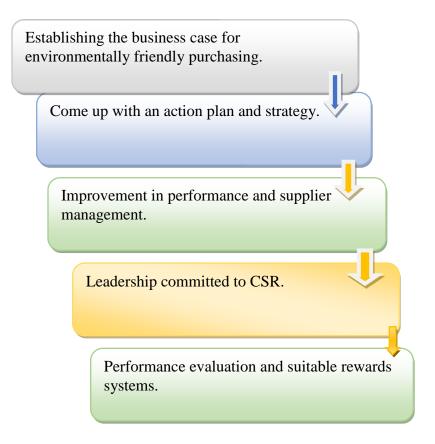
⁴ https://www.coherentmarketinsights.com/industry-reports/recycled-textile-market

Recycled Textile Market Report Coverage

Report Coverage	Details				
Base Year:	2022	Market Size in 2023:	US\$ 5.61 Bn		
Historical Data for:	2018 to 2021	Forecast Period:	2023 - 2030		
Forecast Period 2023 to 2030 CAGR:	5.8%	2030 Value Projection:	US\$ 8.32 Bn		

Figure-3.9, Forecast Recycle textile 2023 to 2030 (Source: Coherent Market Insight)

In Section D the questionnaires were asked about future sustainable materials requirement and procurement process .According to the respondent the development indicators are:



CHAPTER 4 Conclusion and Recommendation

A key driver in global manufacturing and economic growth is the textile sector. Nonetheless, there are substantial the social and environmental issues with its conventional value chain. The idea of a sustainable procurement in textile value chain has been gaining traction recently to solve these problems and create a more morally and environmentally friendly sector. Sustainable procurement is a strategic tool that public bodies can employ to minimize their environmental impact, support sustainable growth, and stimulate innovation. In conclusion, organizations who additionally wish to cut expenses, improve their reputation, and reduce risks must practice sustainable procurement. We are going to be able to establish an annual export target of \$100 billion from this essential sector. Bangladesh, which now produces some 577,000 tons of textile waste yearly and imports raw materials valued at \$3.5 billion, therefore needs to establish regulations and processes that substantially decrease these amounts by sustainable procurement process to meet our Export Target. Through the integration of environmental, social, and ethical considerations into their procurement procedures, organizations can further create a sustainable future that benefits all.

4.1 Some recommendations for organizations and sustainable procurement related persons

A). Organization

- i. To adopt within the sustainable supply chain integrity process.
- ii. Improving supply chain transparency.
- iii. Develop a more comprehensive audit or evaluation of supplier's procedure.
- iv. The authority must be quick and consistent in decision.

B). Personal development

1. Professionals' Personal improvement (Lack of supply chain education, materials specification justify)

- 2. Training on Knowledge and skills, internal control, Ethics, policies, Guidelines and principles.
- 3. Sustainable procurement Training (Procuring entity, contract monitoring , supplier management and sustainable product)
- 4. Change of mindset (Officials and procurement related personnel).

4.2 Conclusion

This study highlighted the information about potentially applicable sustainable procurement practices in our RMG sector. The importance of sustainable procurement, the reasons why organizations must adapt, and the processes of implementation are addressed throughout the study. A sustainable purchasing strategy including corresponding policies and procedures could be established to support the achievement of objectives for sustainable development throughout the executive leadership for the company. Bangladesh, the world's second-biggest exporter, is leading the world in the number of sustainable industries, having made consistent advancements toward becoming a sustainable procurement process. This may also help to motivate those, who have interested study on sustainable procurement functions in the textile and apparel sector.

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Appendix

Title of Dissertation: Sustainable procurement in Textile & Apparel Industry.

Name of the Researcher: Md. Mahedi Ahmed, MPSM ID: 19282009 BRACU and Deputy Manager of Beximco Ltd.

This survey questionnaires are dedicated to academic research only for the abovementioned topic offered by BIGD (BRAC Institute of Governance and Development) of BRAC University.

Questionnaires

Section A: General Information of Respondent

- 1. Name of the respondent (optional):
- 2. Designation and organization of the respondent:
- 3. Sex: a) *Male b) *Female
- 4. Educational Qualification:
- ➤ Academic Qualification
 - a) Certified supply chain
 - b) Post graduate
 - c) Graduate
 - d) Under graduate
- ➤ Professional qualification:
 - a) Certified supply chain Background (MPSM/PGD-SCM)
 - b) General Education (Business, other background).
- 5. Respondent's position at Beximco ltd
 - a) High-level
 - b) Mid-level
 - c) Lower-level

Section B: Concept of sustainable procurement process

6. Sustainable procurement essential concepts of

- a) Economics, environment and social
- b) Economics, Political and social
- c) Fair trade, Spend Analysis and environment
- d) All the above.

7. Global Organic Textile Standard (GOTS) certified issued for which items?

- a) Recycle polyester items
- b) Organic cotton items
- c) Lezing fiber
- d) Better Cotton Initiative

8. Purchase of right quantity of material avoids locking up of

- a) Working Capital
- b) Construction contract operational risks
- c) Engineering design risks
- d) All the above.

9. What is full form of MRP in operations and SCM is.....

- a) Material Return Process
- b) Material Requirement Planning
- c) Machinery Repairing Planning
- d) None all the above.

10. is probably going to be a major motivator for creating a global procurement operation.

- a) Currency
- b) Political influence
- c) Promotional gift
- d) All the above.

11.	is lik	cely to	have an	important	part in	the	procurement	function's	vendor
	analysi	İS							

- a) Value chain
- b) Pricing
- c) Cost discount
- d) All the above

12. Information on the overall amount of only once and low-value transactionbased suppliers is absent by spend analysis by management.

- a) True
- b) False

Section C: Sustainable procurement of global business and limitations

13. The four Cs of sustainability are community, cooperation, consumption, and conservation.

- a) True
- b) False

14. Sustainable procurement is beneficial to the.....

- a) Environment
- b) Save Money
- c) Improves a company's image.
- c) All the above

15. Lowest environmental impact not possible and the most positive social results.

- a) True
- b) False

16. A Key Performance Indicator (KPI) What Is It?

- a) A system for assessing worker conduct.
- b) An overview of the internet marketing for an organization.
- c) A quantifiable value for monitoring corporate objectives.
- d) An overview of each objective from the year before.

17. How can you ensure sustainable development?

- a) Share resources. (Fewer resources an average family uses).
- b) Promote education and inequality.
- c) Empower women.
- d) Negotiate strategic political instability.

18. Incoterm indicate who will bear -

- a) Cost of Carriage
- b) Risk of Carriage
- c) Both (a) and (b)
- d) None of these

Section D: Questionaries were asked to the respondents about the impact & future of sustainable procurement in our RMG sector. How the development more effectively sustainable procurement practice in terms of Economic, Environmental and social prospective in our Textile and Apparel industries.

19. What are the development indicators of a country?

- a. Gross Domestic Product (GDP) and Gross National Product (GNP)
- b. Birth and death rates.
- c. The Human Development Index (HDI)
- d. Life expectancy

20. What are the negative impacts of foreign investment in Bangladesh?

- a. Unemployment increases
- b. Reduce Income source
- c. Reduces physical and social infrastructure
- d. Slow down the economy
- e. All the above.

21. What are the major issues of sustainable development of Bangladesh?

- a) Poverty, No hunger
- b) Good health and well being
- c) Quality education and gender equality
- d) Clean air, water and sanitation.
- e) All the above.

22. Corporate social responsibility Refer to ...

- a) Environmental responsibility
- b) Ethical responsibility
- c) Philanthropic responsibility
- d) Economic responsibility
- e) All the above.

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