

Report On
AR Jeans Producer Ltd. Business Unit & Team Coordination
Review

By

Md. Jane Alam
Student ID : 1000055562

An internship report submitted to the Executive Development Center, Brac Institute of Governance and Development (BIGD), Brac University in partial fulfillment of the requirements for the degree of
Post Graduate Diploma in Knitwear Industry Management (PGD-KIM)

Executive Development Center, BIGD
Brac University
March 10, 2026

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Declaration

It is hereby declared that.

1. The internship report submitted is my/our original work while completing a degree at Brac University.
2. Except where cited adequately through comprehensive and accurate referencing, the report does not contain previously published or written material by a third party.
3. The report does not contain material that has been accepted or submitted for any other degree or diploma at a university or other institution.
4. I/We have acknowledged all the primary sources of help.

Student's Full Name & Signature:

Md. Jane Alam

Student ID 1000055562

Academic Supervisor's Full Name & Signature:

Tahmid Bin Mahmud

Senior Research Associate, BIGD,
BRAC University

Letter of Transmittal

Tahmid Bin Mahmud
Senior Research Associate
BIGD, BRAC University
BRAC Tower, 65 Bir Uttam AK Khandakar Road, Dhaka 1212

Subject: Letter of Transmittal

Dear Sir

I am honored to submit to you my internship report as a student of BIGD at BRAC University. During my tenure, I had the privilege of visiting the five core departments of Ar Jeans Producer Ltd, which significantly contributed to the depth and breadth of my report. I diligently followed your invaluable guidance and advice throughout my research. Merging my academic insights with hands-on experiences, I personally visited each department, ensuring that the information collected was both accurate and comprehensive. The insights I gained from my PGD course have further enriched my analytical approach and understanding. Despite my routine organizational responsibilities, I have dedicated myself wholeheartedly to this endeavor, ensuring both the integrity of the internship and the completion of the PGD course. I am deeply grateful for the unwavering support and mentorship you provided throughout this journey.

I kindly request you to review my report while considering any limitations encountered during the study.

Sincerely yours,

Md. Jane Alam
Student ID: 1000055562
Executive Development Center, BIGD
BRAC University
Date: March 10, 2026

Non-Disclosure Agreement

This is the clearance that **MD. JANE ALAM**, a Post Graduate Diploma in Knitwear Industry Management student at BRAC University, successfully completed his internship with Ar Jeans Producer Ltd. In this internship program, he was supervised by me (**Mr. Naimur Rahman, Joint Director, Marketing & Merchandising**). He takes his commitment to learning new things throughout this internship program sincerely & seriously. The Epyllion Group's leadership is delighted with his work, and I wish him well and a great future.

Student's Full Name & Signature:

Md. Jane Alam

Student ID 1000055562

Industry Supervisor's Full Name & Signature:

Naimur Rahman

Joint Director, Marketing & Merchandising

Ar Jeans Producer Ltd.

Acknowledgement

To begin, I want to express my appreciation to Almighty for the blessings that have enabled me to finish my PGD course internship report. I am thankful for the invaluable assistance provided by my academic supervisor, Tahmid Bin Mahmud, a Senior Research Associate at BIGD, BRAC University. His guidance and feedback were instrumental in helping me to organize and prepare this report while also managing my other responsibilities. I would also like to thank Mr. Naimur Rahman, Joint Director of the Marketing & Merchandising Department, for his unwavering support during my internship. Wishing to express my sincere appreciation to Mr. De Silva, Chief Operating Officer, Mr. RAK Liton, CSR Head, Mr. Ripon, GM, Quality, Mr. Shanto, GM, Planning, Mr. Rajib, Head IE Department of Ar Jeans Producer Ltd, whose assistance and suggestions from the start to the finish of the work merely introduced me to various aspects of the work procedures. Lastly, I am grateful to all the officials of Ar Jeans Producer Ltd for their exceptional cooperation throughout my internship. I expressed my gratitude for the assistance of my coworkers from every Department who offered their help with information and helped me finish the responsibilities. These individuals were either directly or indirectly involved in the project work.

I would especially want to thank the Ministry of Finance, the Government of the People's Republic of Bangladesh, ADB, and SICIP for helping to organize funding for the Post Graduate Diploma in Knitwear Industry Management at the Executive Development Center, BIGD at BRAC University.

I want to express my deep thanks to my parents, my life partner Mrs. Mahafuza Rahman, and our Child Sanbir Alam & Samaira Alam, for their support and sacrifice of their free time as well as their finest advice.

Executive Summary

The core operations of any business underpin its investment viability. Consequently, the primary objective of an enterprise is to maximize profit by effectively utilizing people, machines, and resources. This achievement relies on employment processes, methods, sustainable development strategies, and maintaining a transparent and compliant business model that aligns with the company's goals. In my report on the Ready Made Garment industry, the primary conclusions drawn were that the sector benefits from a substantial labor force. Additionally, the government has rolled out various policies and incentives to foster the industry's growth, including duty-free imports of raw materials and tax holidays. Nonetheless, the sector grapples with challenges like limited access to finance, inadequate infrastructure, and a deficit in modern technology and equipment. Such obstacles could curtail the industry's ability to innovate, improve quality, and enhance productivity. In concluding the report, I advocate for recommendations that focus on producing quality, bespoke products, fostering innovation, nurturing skilled human resources, implementing sustainable practices, encouraging international collaborations, and curtailing carbon emissions for the planet's well-being.

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List of Acronyms

CM- Cost of Manufacturing

C&F – Cost & Freight

FOB – Freight on Board

IE – Industrial Engineering

PPS- Preproduction Sample

PCD – Plan Cut Date

PPM – Preproduction Meeting

PO- Purchase Order

QA- Quality Assurance

SMV- Standard Minute Value

T&A -Time & Action calendar

RMG – Readymade Garments

R&D -Research & Development

WIP- Work in Progress

Chapter 1: About the Organization

1.1 Profile and History of the Ar Jeans Producer Limited

Ar Jeans Producer Limited, located at Kathgora, Ashulia, Savar Dhaka. We have over 2500 manpower right at this moment & Production capacity of over 1 million per month. We are AR Jeans Producer Limited, a LEED Platinum Certified Factory among the few garment factories in Bangladesh. Our main focus is on Sustainability with Quality garments shipped on time to our Buyers. We have a large, qualified and experienced team to run our organization. We specialize in all types of Denim/Non-Denim for both Men's, Women's and Kids' Wear.

We have a dedicated design team who are creating our footprints on garments to add Extra Value.

1.2 Overview of the Industry:

We are a Ready-Made Garments Manufacturer starting our journey in 2017. Our First Factory name is FGS Denimwear Ltd, which started with 8 production lines. Now, with a successful journey, we have more than 70 production lines and also have a large Washing/Laundry. We are serving various renowned Buyers of the world, such as Indetex, Kontoor, LPP, KOHLS etc.

We have a large, experienced team to handle our production with the expected quality and within the buyer's required time frame.

We are doing mostly Men's Products, as well as Ladies' and Kids' wear for both the USA & EU markets.

1.3 Vision & Mission:

We are aiming to produce very High-Quality woven Garment with ensuring Sustainability which empowers our customer and our Employees and workers.

Our Vision is to be the leading position in the Global RMG Market.

1.4 Goals & Objectives:

AR Jeans Producer Ltd.'s goals center on sustainable, eco-friendly denim manufacturing, aiming for global leadership in green production by reducing emissions, saving water, and using renewable energy, while also focusing on innovation, high quality, and expanding their brand through technological adoption (like laser/ozone washing) and strategic international presence,

as shown by their Platinum BIZZ award for excellence and LEED Platinum certification for their facility.

1.5 Organizational Structure And Organogram

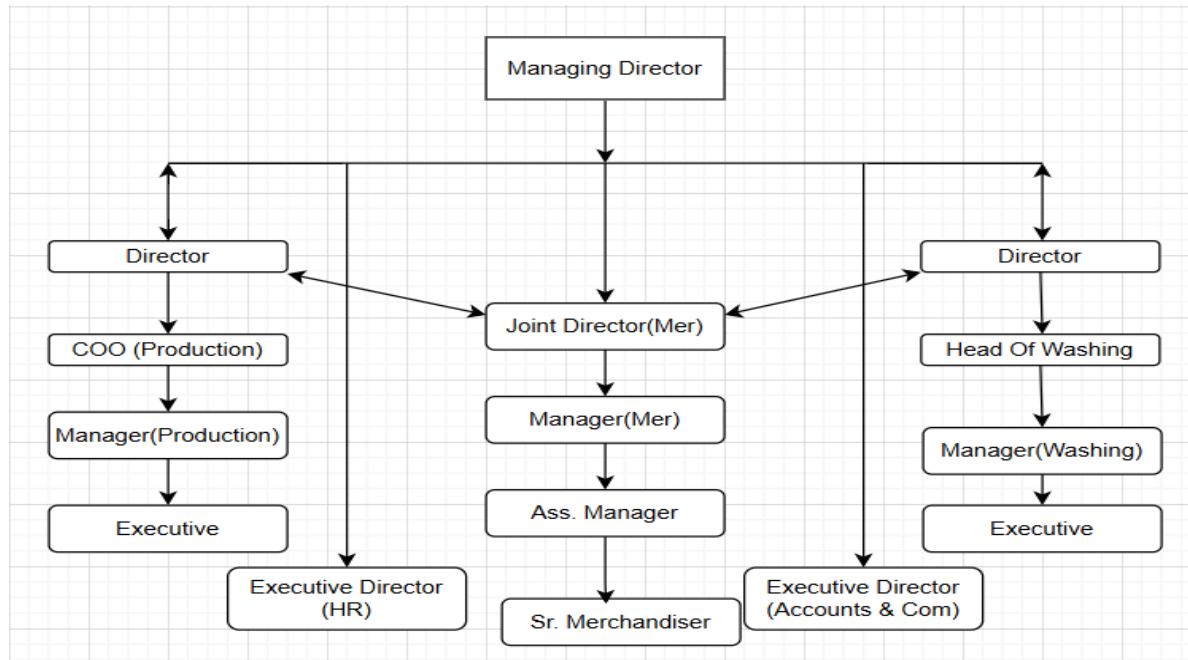


TABLE 1: ORGANIZATIONAL STRUCTURE AND ORGANOGRAM

1.6 Key Goals & Focus Areas:

- **Sustainability & Green Manufacturing:**
 - Achieve high energy efficiency (e.g., LED lights, servo motors) and maximize daylighting.
 - Significantly reduce water usage (up to 75% less) and use renewable energy sources.
 - Minimize carbon footprint through regional material procurement and recycled content.
 - Implement eco-friendly practices like ozone washing and laser technology for denim finishing.
- **Innovation & Technology:**
 - Adopt advanced technologies (laser, ozone) for less water-intensive washes.
 - Develop new fabrics and innovative denim products.

- Utilize data to optimize factory operations and stay ahead of industry trends.
- **Global Growth & Brand Recognition:**
 - Expand worldwide business and contribute significantly to Bangladesh's economy.
 - Establish a strong international presence with marketing offices (like in Madrid, Spain).
 - Attract international buyers by showcasing commitment to green practices.
- **Quality & Customer Experience:**
 - Provide world-class service and high-quality denim products.
 - Offer customized solutions for brands with shorter lead times.
 - Ensure clean, safe, and professional working conditions for employees.
- **Achievements & Recognition:**
 - Awarded the Platinum BIZZ Award for business excellence.
 - Holds LEED Platinum Certification for their green factory.
 - Recognized for leadership in sustainable practices by industry bodies.

1.7 Products/services produced by the industry:

Mainly, we are doing FOB Base orders for different customers across the world. Our main focus is Men's and Women's Tops and Bottom Woven dresses. We are doing all Types of Pants, Chinos, Jackets, Jeggings Etc.

About 60% of our production is for Men's wear, 30% for Ladies' wear and Kids wear consists of 10%.

Our production is about 12,00,000 pcs monthly for various buyers.

Chapter 2: Description of Task Accomplishment

Here for this Internship, I am working with Five Different Department: Merchandising, Planning, Cutting, Sewing & Finishing. Here is the detailed report of what I have covered during My Internship period.

2.1 Merchandising

Merchandising is the strategic process of promoting, pricing, and displaying products to maximize sales and brand engagement, both in physical stores and online. It involves managing the entire product lifecycle, from inventory planning and sourcing to in-store layouts and visual displays, ensuring the right product reaches the right customer at the right time.

Here we Describe Step by Step the Merchandising Activities in the factory

Order Received: At first, a Buyer gives us a Tentative Style Idea for Development & their Costing for completing this order. In the Tech Pack (Technical Package), there are details about Styling, Fabric and Trims/Accessories details.

RE: Traditional Men Bottoms development -SP26 CM cost



Abu Saleh Sarder <abu.sarder@kontoorbrands.com>
To: sumit
Cc: ABM Tariquzzaman; shafiq; Sabrina Hoque; janealam

Hi Sumit,

We have received SP26 development inquiry. Please find the attached PDMs and the target CM in below chart. Please review the PDMs and share your CM.

Regarding quantity we don't any projection. Let me know any question.

S/L No.	Style name	Sketch 1	Sketch 2	Special construction	Fabric description	Development Location	CM (Azim)	Reference CM
1	BMB-T028-A BARTLEBY PERFORMANCE CARPENTER SHORT- RB			Perf Carpenter Short - SS 26	AGI-18553; 99% COTTON 1% SPANDEX 12.25 oz	BDC		1.3
2	BMB-T100-A MORDECAI HYBRID CARP SHORT RLX STR - RB			MORDECAI HYBRID CARP SHORT - SS 26	R2067IN, 100% Cotton 10.5 oz	BDC		1.4
3	BMB-T092-A DAMITA Cargo Short			DAMITA Cargo Short	HJTAREW	SDC		1.45

FIGURE 1: ORDER RECEIVING

Costing & Consumption: As per the Tech Pack, we source the Fabric and Trims and calculate the Consumption for the style which we received.

We source from the Nominated Supplier if the buyer has Nomination otherwise, we check our regular supplier.

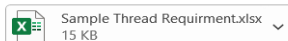
Sample Thread Booking for Kontoor



Janealam-FGG <janealam@fashionglobe-bd.com>
To: 'syedamimul.ahsan@coats.com'
Cc: 'rafidparvez.choudhury@coats.com'; 'tahsinahmed.prattay@coats.com'; 'shopcoats@coats.com'; 'sumit'; 'shafin'

Reply Reply All Forward ...

Sat 1/17/2026 11:07 AM



Dear Mr. **Aminul**,

We have got some order for Denim, Need below Thread for JSS Sample making purpose.
Will place bulk thread booking shortly.

Need below Thread by 21st January at our Dhaka office. Thanks!

Style	Thread Code	Thread Count	Sample Qty
1096FXVKH	C8667	Tex-60-PPC	3 Cone
	C8667	Tex-60-SSP	3 Cone
	C8667	Tex-40-SSP	3 Cone
	C8667	Tex-240-SSP	1 Cone
112345044	W32013 (8935)	Tex-60-PPC	3 Cone
	W32013 (8935)	Tex-60-SSP	3 Cone
	W32013 (8935)	Tex-40-SSP	3 Cone
	W32013 (8935)	Tex-240-SSP	1 Cone
	C8624	Tex-120-PPC	3 Cone

FIGURE 2: TRIMS SOURCING

Sample Development: As per the Teck Pack, we collect all required Fabric and Trims from the Supplier to make the Development sample for Buyer Review Purpose. This is the 1st sample that we submit to the buyer for Order Query.

NEED TO SEWING SHIPPING FOR BUYER JAPNA STYLE RWS-E0752BLK34



Shafin Ahmed Tasin <shafin@fashionglobe-bd.cc>
To: Uttam Kumar Fashion Globe
Cc: Jane Alam; Naimur Rahman; Sample QA FGG; Atikur Rahaman

Reply Reply All Forward ...

Thu 1/15/2026 2:27 PM

If there are problems with how this message is displayed, click here to view it in a web browser.
Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.



Dear Mr. Uttam,

Please find the attached requisition for your reference. Kindly release the corrected patterns after revision.

Please pay close attention to the front pocket length, as there were issues noted in the PP samples for both colors. Additionally, please note that this is a non-wash program.

THANK YOU

Best Regards

Shafin Ahmed Tasin

Fashion Globe Group

Address: Grand Tower, 517/2, Manikdi, ECB, Dhaka Cantonment, Dhaka-1206, Bangladesh.

+8801708831155

FIGURE 3: SAMPLE DEVELOPMENT

Costing: Based on the review of the Development sample, Consumption and Price of Fabric and Trims, we calculate costing to quote a price to the Buyer.

RE: SP27 Traditional Mens New Proto Sample – CM Review Required

SB sumit@fashionglobe-bd.com
 To 'Sabrina Hoque'; 'ABM Tariquzzaman'; 'Alam, Jane'
 Cc 'Md Naimur Rahman Sarker'; 'Serajus Salekeen'; 'Shyamoli Chowdhury';
 NAZMUL@fashionglobe-bd.com

Thu 11/20/2025 5:57 PM

Dear Sabrina,

We have reworked and below please find our last & best quoted CM . This is minimum CM. Less than 20K CM will be added more.

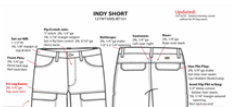
SRT UID	DDT UID	Proto#	Sketch	Reference CM/20k	KBA Rework cost & Comments
WMT271-0298	WTM-DSR-S27-000082	127WTXMS-BT153A		\$1.60	Please rework and share by today
WMT271-0229	WTM-NSR-S27-000033	127WTXMS-RT151A		\$1.63	Extra operation flap along with welt pocket, cut and sew in back yoke and regular waistband instead of

FIGURE 4: COSTING SUBMISSION

Order Confirmation: After submitting the Costing, we will keep checking with the buyer to negotiate the price. Once the price has been negotiated and approved, the Buyer will issue a PI (Performa Invoice) for this order. And the PO (Purchase Order) is issued by customer as the order confirmation sheet.

FA26 158POR0112 - Traditional Mens Bottoms -July buy

AT ABM Tariquzzaman <abm.tariquzzaman@kontoo>
 To Rahman, Naimur
 Cc Alam, Jane; Serajus Salekeen; Sabrina Hoque

You replied to this message on 1/14/2026 11:27 AM.

Mon 1/12/2026 4:16 PM

July buy_0112_26FAWRGTraditionIMNDH (66).xlsx
 22 KB

Dear Sumit,

Pls have a look FA26 (July DC) confirmed order PO list. In below table you will get fabric booking ref number. Pls update your record. Thanks

Proto No.	Model /Style name	Material No.	NGC PO	Garment Qty	Account	DC	Mill	Fabric	Finish/Color	Vendor
Acacia Cargo Short	60AAWEM - 231	112314921	450187861400100	50,001	Walmart	9101	Huajin	HJTAREW	Elm	vendor AR JEANS PRODU 1000267928 maker AR JEANS PRODUC 1000267935;
Acacia Cargo Short	60AAWEM - 231	112314921	450187861300100	27,355	Walmart	9101	Huajin	HJTAREW	Elm	vendor AR JEANS PRODU 1000267928 maker AR JEANS PRODUC 1000267935;
Acacia Cargo Short	60AAWEM - 231	112314921	450187861500100	21,505	Walmart	9101	Huajin	HJTAREW	Elm	vendor AR JEANS PRODU 1000267928 maker AR JEANS PRODUC 1000267935;

FIGURE 5: ORDER CONFIRMATION

PO Checking: After getting the PO, we need to check properly about Price, Shipment mode/method, Delivery date, Quantity and all special notes from Buyer to avoid any kind of details which need for this order.

Production Space Booking: After order confirmation, we have to inform the Planning Department to keep production space available for this style bulk production. We need to convey the delivery dates for receiving all the Fabric and Trims Inhouse Status to Plan accordingly to catch the Shipment date smoothly.

Wrangler New order Confirmation

JF Janealam-FGG <janealam@fashionglobe-bd.com>
 To 'Shahinur Alam Shanto'
 Cc 'planning.coordinator@fashionglobe-bd.com'; 'planning@fashionglobe-bd.com'; 'planning1@fashionglobe-bd.com'; 'Rahman, Naimur'; 'Shafin Ahmed Tasin'

Tue 1/13/2026 10:50 AM

Dear Shanto Sir,

Below order are confirmed. Plz keep production space accordingly.
 We are checking with Fabric mill to improve fabric delivery more, Once get update from them will share with you. Thanks!

Proto No.	Style No.	NGC PO	Garment Qty	Finish/Color	CRD Date	Date Type (ETD/CRD)	Bulk
Acacia Cargo Short	112314921	450187861400100	50,001	Elm	5/5/2026	CRD	5 th Iv
Acacia Cargo Short	112314921	450187861300100	27,355	Elm	5/12/2026	CRD	5 th Iv
Acacia Cargo Short	112314921	450187861500100	21,505	Elm	5/19/2026	CRD	5 th Iv
Acacia Cargo Short	112314952	450187862100100	51,060	Anthracite	5/19/2026	CRD	16 th
Acacia Cargo Short	112314921	450187861600100	56,720	Elm	5/19/2026	CRD	16 th
		Total	206641 Pcs				

FIGURE 6: PRODUCTION SPACE BOOKING

Fabric and Accessories Booking: After getting the PO sheet, we need to place all the booking to supplier for smooth production. Especially, Overseas Items need to be placed for booking first. After placing all the bookings, we need to take confirmation from the Supplier to ensure On time delivery. And we need to keep continuously checking with them for production to avoid any last-minute hassle.

Wrangler-Denim Label Booking- ADBD

JF Janealam-FGG <janealam@fashionglobe-bd.com>
 To 'Mohammad Khairul Ehsan'
 Cc 'sumit@fashionglobe-bd.com'; 'Shafin Ahmed Tasin'; 'Shaikh Shahriar'

Label Tag Booking 206k- Paxar.xlsx
 15 KB

Dear Mr. Khairul,

Plz see attached Label/Tag Booking for Buyer Kontoor.
 Proceed Production and share PI. We need goods by 10th February 2026. Thanks!

Best Regards...
Jane Alam Sabbir
Fashion Globe Group
Phone: +8801708831496
Whatsapp: +8801891798778

FIGURE 7: ACCESSORIES BOOKING

PP Sample Submission: Need to submit the PP Sample (Pre Production Sample) to the Buyer to start Production. It needs to be 100% Accurate and we need to ensure all comments have been followed here.

Production File to Planning: After all goods are in-house and the Production sample is approved, we need to submit our Production File to Planning to proceed bulk production.

PP Meeting Call: After getting the Production file, Factory make Size Set sample and we inform the Buyer to attend the PP meeting. Here we discuss about all the risk assessments for production.

PP Meeting Request Style 112314939 (ACACIA CARGO SHORTS)

JF Janealam-FGG <janealam@fashionglobe-bd.com>
To 'Amirul Islam Rubel'; 'MdNazmul Haque'
Cc 'Tahrim Hossain'; 'Rubel, Niamat'; 'sumit@fashionglobe-bd.com'; 'shafin@fashionglobe-bd.com'; 'ABM Tariquzzaman'; 'Sams Salahin'; 'Kamrul Islam'

Tue 10/21/2025 7:53

Dear Mr. Rubel/Mr. Nazmul,

Good Evening. Hope you are fine.
We would like to request to conduct **PP Meeting** for below Mentioned Style At Fashion Globe Denimwear Ltd on **22nd October**. Thanks!

Style	PO	Qty	Time & Place
112314939	450170560800100	30000	Fashion Globe Denimwear Ltd Time: 2.30 PM Date: 22nd October 2025

FIGURE 8: PP MEETING REQUEST CALL

Production Follow Up: We keep continuously checking with the Factory people to monitor Production for on-time delivery.

Inspection Booking: After completing production, we call the Buyer for a Final Inspection.

WRANGLER AUDIT REQUEST FOR CRD 25th November

JF Janealam-FGG <janealam@fashionglobe-bd.com>
To 'MdAtiqur Milon'; 'Amirul Islam Rubel'
Cc 'Tahrim Hossain'; 'Rahman, Naimur'; 'Shafin Ahmed Tasin'; 'Rubel, Niamat'

KB Final Audit Request for CRD 25th November 2025 AR Jeans.xlsx
23 KB

Dear Mr. **Rubel**/Mr. Atiq

Good Evening. Hope you are fine.
We would like to request for FRI for Wrangler for attached Style/PO.
Kindly arrange to conduct FRI Accordingly. Thanks

FRI Date:

23rd November 2025
11.30 AM

Fashion Globe Denimwear Ltd.

FIGURE 9: AUDIT REQUEST

Shipment: After completing the Final Inspection, we submit a Packing List to our shipping team with the required details to proceed with shipment.

GTGS Forwarder Booking Style J28933

JF Janealam-FGG <janealam@fashionglobe-bd.com>
To: 'MAHBUB MITHU'
Cc: 'DAS, LEMON'; 'Rahman, Naimur'; 'shafin@fashionglobe-bd.com'

CGL GSBD SC6003 J28933AZW bulk tech pack.xls
7 MB

Dear Mithu Bhai,

Plz place GTGS Booking for Style J28933 (Attached PO Sheet)

Good will be ready by 11th October. Thanks!

Style	PO	CTN Measurement	Order Qty
J28933 AZW(OTS)	OTS	58 X 38 X 32 (CM)	6120
J28933 AZW	ONLINE	58 X 38 X 28 (CM)	240
J28933BZW (OTS)	OTS	58 X 38 X 32 (CM)	5088
J28933 BZW	ONLINE	58 X 38 X 28 (CM)	240
J28933 CZW(OTS)	OTS	58 X 38 X 32 (CM)	6120
J28933 CZW	ONLINE	58 X 38 X 28 (CM)	240

FIGURE 10: FORWARDER BOOKING SHIPMENT

2.2 Planning

Garments planning (or Production Planning and Control - PPC) professionals are responsible for maximizing factory efficiency by creating, implementing, and monitoring production schedules. Key duties include analyzing material, machine, and labor capacity to meet order deadlines, managing raw material inventory, tracking daily production, and ensuring on-time shipments. At first, we received a Tentative Block Production Booking from our Marketing and Sourcing Team. They have given us a Tentative Material in-house date, and based on which we block production space for OTD (On-Time Delivery).

Kontoor Confirm Order-Acacia Cargo Shorts

JF Janealam-FGG <janealam@fashionglobe-bd.com>
To: 'Shanto@fashionglobe-bd.com'
Cc: 'sumit@fashionglobe-bd.com'; 'Shafin Ahmed Tasin'; 'Mahmud Hasan'; 'Bahar Planning FGG'; 'Borhan Uddin'

Dear Shanto Sir,

Plz see below Confirm order for Kontoor.
Kindly allocate production space accordingly. Thanks!

Proto No.	Material No.	NGC PO	Garment Qty	CRD Date	Date Type (ETD/CRD)	Bulk Fab
Acacia Cargo Short	112314921	450182325000100	17,605	3/31/2026	CRD	5-Feb-26
Acacia Cargo Short	112314921	450182334900100	17,605	4/7/2026	CRD	5-Feb-26
Acacia Cargo Short	112379600	450182349000100	29,565	3/31/2026	CRD	5-Feb-26

Best Regards...
Jane Alam Sabbir
Fashion Globe Group
Phone: +8801708831496
Whatsapp: +8801891798778

FIGURE 11: ORDER CONFIRMATION MAIL FROM BUYER

Based on Styling, Production capacity, Factory strength and line layout, we have allocate factory and production line.

Production File Collection: After receiving the file from the Merchandising team, we send the Production file with the Approved PP Sample to the CAD Team for release of the Bulk Pattern for Production.

We worked **35 days** of Lead time for Bulk production

- 2 Size Set- 5 days**
- 3 Bulk Cutting- 2 days**
- 4 Pilot Run- 5 days**
- 5 1st Correction of Bulk- 2 days**
- 6 Sewing- 12 days**
- 7 Washing- 5 days**
- 8 Finishing- 4 days**

We have kept close follow-up with the production team for any issues that might cause interruption during production.

By involving IE, we conduct machine layout for smooth production.

2.3 Cutting:

Fabric Inspection: After receiving the In-house Fabric we do Fabric Inspection based on a 4-Point System.

4-Point System: The 4-point system, or American Apparel Manufacturers Association (AAMA) standard, is a widely used, standardized method for inspecting fabric quality by assigning 1–4 penalty points based on defect size and severity. It calculates total points per 100 square yards, with a general threshold of 40 penalty points or less considered acceptable for first-quality fabric.

After completing Fabric Inspection, we inform Sourcing for taking Action about the findings. Here below is the Fabric inspection report.

AR JEANS PRODUCER LTD													
Quality Assurance Dept													
Summery report of Fabric Consingment.													
Buyer : PETROL				Fabrics Received Date : 31/10/22				Report Date : 18/11/22					
Style: B-1030-SHO005-JACKSON/M-1030-SHO005-JACKSON				Type Of Wash: As Per Standard				Invoice NO :					
Composition : 77%Ctn, 21% POLY, 2% Spx				Consumption : 0.792				Order Yds : 6548		V Yes			
				Supplier Name : NICE DENIM				X		No			
Color : 6151 EUCLY PLUS				Cut Tube		Width Wise		Length Wise		Shading %			
Fabrics Code : NDR-022						Side to Side		Side to Middle				Running Shading	
Remarks : Shade are gradually Changing Form				0		0		0		0		#DIV/0!	
Fabric inspection status P/F		Panalty Points : %		Wash Factory : AR WET				No of Shades : 1 OF					
Average Shirinkage		Length wise -00.00%.....Width wise -00.00%		Shrinkage Template 35x35				Roll Document : [41+58=99(69)]					
Bulk Data								Yds :		0			
S.L NO.	ROLL NO.	QTY (Yds)	FABRIC CUTABLE WIDTH	SHADE LOT	AFTER WASH		LENGTH %	WIDTH %	GROUP	STATUS	Remarks		
					LENGTH	WIDTH							
1	3	100	50	A	34.2	29.8	-2.3	-14.9		Ok			
2	2	100	49.8	A	34	30	-2.9	-14.3		Ok			
3	162	100	51.1	B	34.3	29.6	-2.0	-15.4		Ok			
4	18	100	50.2	B	34.4	29.9	-1.7	-14.6		Ok			
5	12	100	50.1	A	34	30	-2.9	-14.3		Ok			
6	19	100		A	34.2	29.5	-2.3	-15.7		Ok			
7	15	100	50.5	A	34.3	29.5	-2.0	-15.7		Ok			
8	1	100	50.2	A	34	29.8	-2.9	-14.9		Ok			
9	24	58		A									
10	11	100	50.5	A	34.4	29.8	-1.7	-14.9		Ok			
11	14	101	50	B	34	29.5	-2.9	-15.7		Ok			
12	20	100	50	B	34.3	29.5	-2.0	-15.7		Ok			
13	22	84	48.8	B	34.4	29.9	-1.7	-14.6		Ok			
14	16	100	51.1	B	34.2	29.5	-2.3	-15.7		Ok			
15	17	100	50.3	A	34.4	29.5	-1.7	-15.7		Ok			
16	173	100	50.8	A	34	29.5	-2.9	-15.7		Ok			
17	21	100	50.1	A	34.2	29.5	-2.3	-15.7		Ok			
18	13	100	50.5	A	34.2	28.8	-2.3	-17.7		Ok			
19	4	100		C									
20	23	100	49.2	B	34	30	-2.9	-14.3		Ok			
21	165	100	50	A	34	30	-2.9	-14.3		Ok			
22	167	100	50.3	A	34.3	29.5	-2.0	-15.7		Ok			
23	30	100	51	B	34.2	29.5	-2.3	-15.7		Ok			
24	170	100	51.1	A	34	30	-2.9	-14.3		Ok			
25	32	100	50.3	A	34.2	29	-2.3	-17.1		Ok			
26	171	100	50.5	A	34	29.4	-2.9	-16.0		Ok			
27	164	100	50	A	34.2	29.5	-2.3	-15.7		Ok			
28	166	100	50.3	A	34.3	29.5	-2.0	-15.7		Ok			
29	31	100	50	B	33.8	29.7	-3.4	-15.1		Ok			
30	161	100	50.7	A	33.8	30.5	-3.4	-12.9		Ok			
31	33	100	50.5	B	34.2	29	-2.3	-17.1		Ok			
32	172	100	50.2	A	34.3	29.8	-2.0	-14.9		Ok			
33	168	60	50.5	B	34.2	29	-2.3	-17.1		Ok			
34	66	21	49.5	B	34.9	30.2	-0.3	-13.7		Ok			
35	34	56	49.8	A	34	29.4	-2.9	-16.0		Ok			
36	160	100	50.5	B	34.4	29.8	-1.7	-14.9		Ok			
37	123	100		A	34.8	30	-0.6	-14.3		Ok			
38	163	96	50	A	33.8	29.7	-3.4	-15.1		Ok			
39	122	64	49.5	A	34.5	29.8	-1.4	-14.9		Ok			
40	121	100		A	34.3	29.5	-2.0	-15.7		Ok			
41	125	100	50.2	A	34.2	29.8	-2.3	-14.9		Ok			
	217	100	50.5	A	34.8	30	-0.6	-14.3		Ok			
	SHADE	PO	PO QTY	PO/REQUIREMENT +4%	Remarks	Width Summary							
						Width		Yds					
	Shade	Roll	Yds	Roll	Yds	Roll	Yds	Roll	Yds	Total Yds			
										0			
										0			
										0			
										0			
										0			
										0			
	Total	0	0	0	0	0	0	0	0	0			
MEASURED BY		PREPARED BY		CHECKED BY INCHARGE		ASST. MANAGER							

TABLE 2:FABRIC INSPECTION REPORT

Bulk Pattern Release: Based on the shrinkage report, we make a production pattern. Here we follow the PO sheet and make production pattern based on that. After Getting Production File from Planning we sit with our IE for Machine Layout for getting best output with Minimum Machine and Worker.

We have to calculate SMV (Standard Minute Value) based on our Bulletin. It helps us to get actual costing (CM: Cost of Manufacturing).



FIGURE 12: MARKER

Size Set & PP Meeting: Based on Bulk pattern we make a Size Set sample before proceeding with Bulk Production. We make 4 pcs each size of PO Sheet and based on that we complete Size Sample Sewing and send it for Washing.

After receiving the Size Set sample from washing, we match it with the Pre-Production (PP) Sample and conduct a risk analysis. Then we setup a Pre-Production Meeting with the Quality Team and share any concerns we have. Here we discuss all critical points and corrections and based on these corrections we start Bulk production.

2.4 Sewing

After Complete PP Meeting we have proceed pilot Run Cutting for 300 pcs and input to line, At this moment we have complete our Line Layout, Production Bulletin & SMV Calculation. After getting 1st Output Line Quality man check the proper quality of Garment and send it to Washing.

After complete washing, we measure it and check with the approved PP sample for Styling confirmation. If everything is okay, we start Bulk Production for all PO, incorporating the Pilot run goods discrepancy. Here is one Operation Bulletin for reference only.

**AR Jeans Producer Ltd.**

Kathgora, Zirabo,Ashulia, Dhaka

Buyer: Wrangler
 Style : 1087619PW
 Item : Basic long
 QTY : 75000 PCS

OPERATION BULLETIN
LINE-20

Prepared by : - IE department
 Prepared date :- 14-Mar-25

OP. #	OPERATION	M/C	S.M.V.	100% TGT / HR	BLN/TG T	TML	AML	TGT / DAY (10 HRS)	Attachme nt	Remark
Back part										
1	Back yoke join by folder	F.O.A	0.33	182	182	0.78	1.0	1818	folder	
2	Back yoke label join with mark	S/N LS	0.30	200	200	0.71	1.0	2000		
3	Back rise join by folder	F.O.A	0.30	200	200	0.71	1.0	2000	folder	
4	Back patch pkt mouth rolling with folder	CST2	0.28	214	214	0.66	1.0	2143	folder	
5	Back patch pkt OL & D/F OL	4T O/L	0.35	171	171	0.83	1.0	1714		
6	Back patch pocket iron with shing mark	Iron	0.46	130	130	1.09	1.0	1304		
7	Back pocket position mark with yoke	Helper	0.40	150	150	0.95	1.0	1500		
8	Back patch pocket attach with reinforcement	S/N LS	0.75	80	120	1.78	1.5	1200		Use pkt setup Machine
9	Back patch pocket 1/4 Stc	S/N LS	0.60	100	150	1.42	1.5	1500		
10	Waist belt mark	Helper	0.30	200	200	0.71	1.0	2000		
11	Waist belt match & tack	S/N LS	0.40	150	150	0.95	1.0	1500		
Front part										
12	Bottom facing join with trim cut	CVS2	0.34	176	176	0.81	1.0	1760		
13	Fnt pkt bag close by OL	3T O/L	0.28	214	214	0.66	1.0	2143		
14	S fly & Front rise OL with s. fly	4T O/L	0.33	182	182	0.78	1.0	1818		
15	S. fly top stitch with zipper join & Loop tack	S/N LS	0.45	133	133	1.07	1.0	1333		
16	Front pkt bag join to front	S/N LS	0.40	150	150	0.95	1.0	1500		
17	Front pkt mouth rolling with papping	D/N LS	0.50	120	180	1.18	1.5	1800	1/4 folder	
18	J stitch	D/N LS	0.28	214	214	0.66	1.0	2143		
19	Double fly join & 2 parts join	S/N LS	0.38	157	157	0.90	1.0	1571		
20	2 parts top stc	S/N LS	0.35	171	171	0.83	1.0	1714		
21	Front rise closed t/s with trimming	D/N LS	0.50	120	180	1.18	1.5	1800	5/8 "	
22	Side & waist tack & front pkt end tack	S/N LS	0.60	100	200	1.42	2.0	2000		
23	Run stitch for side folder	S/N LS	0.40	150	150	0.95	1.0	1500		
24	Wash tack	S/N LS	0.35	171	171	0.83	1.0	1714		
25	Label cut , make & tack	S/N LS	0.40	150	150	0.95	1.0	1500		
Assembly										
26	Back & front part matching	Helper	0.35	171	171	0.83	1.0	1714		
27	Side seam join join by folder	F.O.A	0.80	75	150	1.89	2.0	1500	folder	
28	In seam join by OL	ST O/L	0.60	100	150	1.42	1.5	1500		
29	Waist belt main label join with mark	S/N LS	0.40	150	150	0.95	1.0	1500		
30	Run stitch on waist	CST1	0.33	182	182	0.78	1.0	1818		
31	Waist belt join by Folder	KNS	0.50	120	180	1.18	1.5	1800		
32	Mouth cut & thread remove	Helper	0.50	120	180	1.18	1.5	1800		
33	Mouth (Bottom) close	S/N LS	0.40	150	150	0.95	1.0	1500		
34	Mouth (Top) close	S/N LS	0.38	158	158	0.90	1.0	1579		
35	Waist belt top stc top	KNS	0.40	150	150	0.95	1.0	1500		
36	Waist belt top stc lower	CST2	0.38	158	158	0.90	1.0	1579		
37	Mouth tack top	S/N LS	0.40	150	150	0.95	1.0	1500		
38	Mouth tack lower	S/N LS	0.38	158	158	0.90	1.0	1579		
39	Loop make by folder & Cut	FL	0.40	150	150	0.95	1.0	1500	folder	
40	Loop join by tack	S/N LS	0.45	133	200	1.07	1.5	2000		
41	Body trun up	Helper	0.40	150	150	0.95	1.0	1500		
42	Bottom hemming	S/N LS	0.50	120	240	1.18	2.0	2400		
43	Loop bartack (10 point)	BT	0.60	100	150	1.42	1.5	1500		
44	1/4 bartack (10 point)	BT	0.65	92	138	1.54	1.5	1385		
45	Thread trimming	Helper	0.40	150	150	0.95	1.0	1500		
46	Rivet button atts	SB	0.50	120	240	1.18	2.0	2400		
47	Lather base join	S/N LS	0.40	150	150	0.95	1.0	1500		
48	Waist eyelate hole (1 point)	Eyelite	0.12	500	250	0.28	0.5	2500		
49	TOTAL SMV		20.27				57	0		

TOTAL S.M.V.	20.27
BPT	0.42
UCL	0.00
LCL	0.84
NO OF M/C & OPERATOR	57
TTL MANPOWER	57
HOURLY TGT @100% EFFI.	167
EXPECTED EFFICIENCY 80 %	134
WORK HOUR	10
LINE TGT/Day	1338

M/C Type	Nos	M/C Type	Nos
FL	1.0	S/N LS	23.5
CST2	2.0	D/N LS	4.0
F.O.A	4.0	3T O/L	1.0
CVS2	1.0	5T O/L	1.5
Hmm M/C	0.0	4T O/L	2.0
BT	3.0	KNS	2.5
Eyelite	0.5	CST1	1.0
SB	2.0	TTL M/C	47
		Helper	7
		Iron	1
		TTL Manp	57

IE EXE

SR.EXE IE

LINE MECHANIC

MECH.INCHARGE

HEAD OF IE

TABLE 3:OPERATION BULLETIN

2.5 Finishing

After Complete Sewing and Washing we have to collect all required Finishing Accessories from Store and check with Approved Trims Card.

At first, we Input Goods in Line. The first work is to start cutting the extra threads and Remove Extra covering Poly and Trims Fabric. After that it has gone to check proper management and shade checking Table. If all ok then we attach Hangtag and other finishing accessories.

After attaching all items, we send goods to CT-PAT room for packing. As per the PO instruction we have start Packing.

There have different types of packing mentioned in PO Sheet. Here is some Example of Packing.

- **Solid Size/Solid Color:** Here in the Carton, we put only one Size and One Color.
Ex: Size: S & Color: White
- **Solid Size/Mix Color:** Here in the Carton, we Put Only One Size but in Various Color.
Ex: Size S & Color: White, Black, Red
- **Mix Size/Solid Color:** Here in the Carton, we Put Various Size but only one Color.
Ex: Size S, M, L, XL & Color: White
- **Mix Size/Mix Color:** Here in the Carton, we Put Various Size and Various Color goods.
Ex: Size S, M, L, XL & Color White, Black, Red. Here are some examples of cartons:

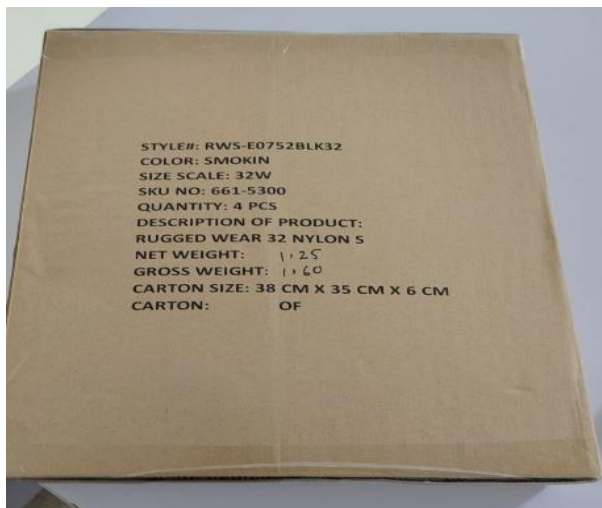


FIGURE 13: CARTON SHIPPING MARK

Chapter 3: Critical Assessment of Internship Work

Through my internship at AR Jeans Producer Ltd., I gained an excellent opportunity to apply the theoretical knowledge acquired from my PGD-KIM academic courses to real-world industrial practices. This chapter highlights how both generic and industry-specific learning were applied during my internship, along with areas for organizational improvement and my own professional development.

3.1 Application of Generic and Industry-Specific Courses During Internship

The generic courses strengthened my professional behavior, adaptability, and problem-solving abilities - important qualities for working in apparel manufacturing environment. This industry-focused courses provided the technical foundation necessary to understand production processes, supply chain operations, and quality management systems. These learnings were practically applied during my internship in the following ways:

KIM 101: HR Skills and Competencies

This is one of the new experiences for me. Here I learned about some new things which I got direct practical examples of during my Internship at the factory, such as National Labor Laws, International standards, Worker Safety, discipline, Motivated worker and Employee, HR and Compliance system, Understanding about Leadership, Teamwork & Professional behavior. This course helped me to set Goal Setting, Employee empowerment, how to maintain a positive workplace culture and Sustainable HR Practice.

KIM 102: Analytical Skills and Competencies:

Analytical thinking was essential in departments such as operations excellence, supply chain, and quality. I applied analytical tools while conducting SMV calculations, NPT studies, and efficiency analysis. Techniques such as Fishbone Diagrams, Pareto Analysis, and the Five Whys method helped me evaluate KPIs, inventory data, and process performance. Initially hesitant to question senior engineers' calculations, I gradually gained confidence through evidence-based reasoning, which strengthened my structured problem-solving abilities.

KIM103: Business Communication Skills

Communication Skills course underscored the importance of effective presentations and robust communication. Furthermore, KIM-101's HR Skills & Competencies course enriched our understanding of efficient workforce development, emphasizing the essence of human resources and people management for fostering industry innovation.

KIM 104: Business Operation Skills

We learned about business adherence to standards and codes of conduct, especially for clients within the garment industry. Championing diversity and training employees are paramount for minimizing waste and enhancing product quality.

KIM 202: Industrial Engineering

Industrial Engineering is one of the vital courses in this program. We got practical exposure to it in the factory. How to calculate SMV, Line Layout, Line Balancing, Technique of increasing productivity & Worker efficiency, CM Calculation Etc.

KIM 203: Production Management & Merchandising

This course helped me to understand production planning and supply chain coordination. I also got a brief idea about costing, TNA planning, consumption calculation, and order follow-up while working on buyer orders from KONTAOR. I worked in tracking orders, ensuring in-house required goods on time, and making production plans. The experience helped me a lot to cope with Factory production, Planning and communication with buyers, with proper feedback about their orders.

KIM 204: Quality Management & Supply Chain Management

This is one of the major courses where I learned practical quality control system such as Garments Final Random Inspection (FRI), ideas about AQL, testing procedures, and different types of Standards such as ISO, AATCC, Compliance monitoring, and the process of continuous improvement with the highest customer satisfaction.

3.2 Suggestions for Industry Improvement (Based on Internship):

During my internship, I regularly visited the production floors to learn about operations directly. This practical experience helped me understand the different working procedures of various Strategic customer and relate them to the theoretical knowledge gained from my academic studies. Along with my assigned responsibilities, these observations contributed significantly to the preparation of my internship report. I found that the accessories packaging manufacturing sector in Bangladesh has strong potential for further growth and development. Based on my observations, the following recommendations are proposed:

Sustainability: With a growing global consciousness towards the environment, companies emphasizing sustainable practices stand to gain a competitive edge. The industry should adopt eco-friendly materials, reduce waste and energy consumption, and employ ethical manufacturing techniques.

Supply Chain Optimization: Supply Chain is the key area where we can improve overall performance. Still, there are lots of areas to improve to get much more satisfying results. We implement the ERP System to design in a more professional way. It helped us to control

inventory, product distribution system, stock report, etc. It gives us advanced alerts when a new product needs to be in-house at the right time.

Skilled Workforce Development: The sector's advancement depends on a trained and capable workforce. Regular training programs and skill development capability are necessary to improve employee performance and retain talented workers.

International Collaboration: To build relations with Buyer, attending in global trade fairs, and exploring new export markets can remarkably enlarge Business opportunities.

Branding and Personalization:

Offering products tailored to customer preferences can boost the sector's image. It's also important to invest in marketing strategies, influencer marketing, and social media promotions, to enhance brand awareness and outreach. With a strategic goal on quality, sustainability, efficient supply chain management, workforce development, and global partnerships, Bangladesh's accessories packaging manufacturing sector can carve a niche for itself in the global arena, ensuring sustained growth and ambition.

3.3 Learning for Self-Improvement:

During my internship, I also tried to acquire knowledge about the practical Industries' operation through my postgraduate diploma studies. I learned that the Ready-Made Garments (RMG) industry plays a crucial role in the national economy and contributes to building up GDP growth. To develop strong analytical and business management skills is important to help to take decision-making and diversify investment approaches.

This experience also helped me to understand the importance of eco-friendliness and innovation in modern machines, particularly in the production of sustainable products. With appropriate policy, Economical investment, and Technological advancement, this sector has the opportunity to further accelerate the country's economic development. Moreover, I recognized that analytics is increasingly important for effective business planning, forecasting, and on time decision-making in today's competitive industrial environment.

Chapter 4: Conclusion

Due to rising demand from both local and foreign markets, Bangladesh's RMG (Ready Made Garments) sector has been expanding substantially in recent years. The business offers a broad range of goods in the form of garments Shirts, Jackets, Pants many different Suites and Special Garments. A sizable labor force supports this industry, and the government has also put in place a few laws and incentives to encourage its expansion, such as the duty-free import of raw materials and tax holidays.

The absence of contemporary machinery and technology, as well as the industry's restricted access to financing, are some of the problems that have been noted. These elements may restrict the industry's capacity to innovate, enhance quality, and boost production.

The RMG business in Bangladesh still has a bright future ahead of it despite the obstacles. This can be accomplished through haggling for lower pricing with suppliers, enhancing inventory control, and optimizing logistics and transportation. To promote our items, we can also think about going to trade exhibitions and events.

To ensure client happiness and loyalty, we must prioritize raising the quality of our Products. Utilizing premium components, making improvements to the production process, putting quality control procedures in place, and broadening our product line to include more new items are all ways to do this. New clients will be drawn as a result, and sales will rise. We should enhance the management of our supply chain to reduce costs and boost effectiveness. This will necessitate market research on global marketplaces and adherence to trade laws that are more sensible and beneficial to the company.

In general, the RMG industry in Bangladesh needs to focus on delivering high-quality products that meet the needs and preferences of the target market at a competitive price, and there is room to optimize some other areas, most notably increasing capacity utilization to reduce costs, expanding the product line, and similarly developing skilled manpower and automations to improve efficiency.