



Daffodil
International
University

Faculty of Engineering

Department of Textile Engineering

REPORT ON

“Study on quality problem in polo shirt production with
their remedies”

Course Title: Project (Thesis)

Course Code: TE 4214

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A thesis submitted in partial fulfillment of the requirements for the degree of

Bachelor of Science in Textile Engineering

Advance in Apparel Manufacturing Technology

Fall - 2019



DECLARATION

I hereby declare that the work which is being presented in this thesis entitled, “Study on Quality Problem in Knit Garments Production with their remedies” is original work of us, has not been presented for a degree of any other university and all the resource of materials uses for this thesis have been duly acknowledged.

Name:

ID:

Signature

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163-23-4798

This is to certify that the above declaration made by the candidates is correct to the best of my knowledge.



Faculty of Engineering

Department of Textile Engineering

Approval Sheet

This research entitled “Study on quality problem in polo shirt production with their remedies”
‘at Daffodil International University, December 2019’ prepared and submitted by **Md. Mominur Islam**
“ID:163-23-4798” in partial fulfillment of the requirement for the degree of BACHELOR OF SCIENCE IN
TEXTILE ENGINEERING has been examined and hereby recommended for approval and acceptance.

A handwritten signature in black ink, appearing to read 'Md. Abdullah Al Mamun', is centered on the page.

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“ACKNOWLEDGEMENT”

At first would like to express my deep appreciation to Allah for providing the opportunity to complete our thesis on study on “Study on Quality Problem in Knit Garments Production with their remedies”

I would like to thank the management of the Alim Knit (BD) Ltd. For giving us the opportunity to perform the thesis Quality Problem in Knit Garments Production with their remedies successfully and also their valuable suggestions, I have gratitude the Chairman, Managing directors, General Manager, Production manager, Administration manager who gave us scope collecting information in the factory as well as for giving scope to work in their respective section.

Finally, I must express our very profound gratitude to my parents for providing us with unfailing support and continuous encouragement throughout our years of study and through the process of researching and writing this project. This accomplishment would not have been possible without them. Thank you.

ABSTRACT

Quality is defined as the level of acknowledgment of a not bad or services. Because the textile and garments industry, product quality is calculated in terms of quality and value of fibers, yarns, fabric construction, color fastness, designs and the final finished garments. In our country various garments factory follow various quality control and administration systems especially different view systems for garment inspection. This project contains the quality control of a garments industry. The aim of the thesis is to explicate Quality Problem in Knit Garments Production. The relating to truth part of the project provides basic information about quality, Quality Problem in Knit Garments Production. It also give some fact about various faults during ideal and bulk production in sampling section, cutting section, sewing section and finishing section. If I want to keep up quality in every turn of production then I should need to know about quality parameters, quality problem, their causes and remedy. So, I am tried to recount about it in composition review. In my pilot details I have displayed some data table and graph on the basis of review of various faults. Then I have observed about the total result. It is found in mu study that the main problem found in polo shirt production is uneven four point (22%) followed by Down stitch (15%), Label Mistake(13%), Open seam (12.5%), Broken Stitch(10%), Dirty/Oil Spot (8%). Now-a-days buyers are very much quality conscious. If I confirm high quality review system then buyer will be voluntary and more quality product can be possible to produce. For the growth of RMG sector, I should need to introduce modern quality inspection system and quality administration techniques.

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CHAPTER-1: INTRODUCTION

1.1 Background of the Study:

The primary step of a student in professional life is project, particularly in technical side. A successfully effective processing technology of a manufactured unit is an essential part of study for a student. In my university, technology machines are not in continuous going condition, so it would only provide accomplishment of mechanical features & processing technology of the material in accomplishment of the theory but not of the situational variables to achieve practical knowledge.

It is significant to keep up a level of quality for every industry or business to get grown sales and good name amongst consumers and fellow companies. Particularly for the business employed in export business has to sustain a high level of quality to ensure better business globally. Companies who are between export business hold the power of the country, and due to this usually quality control value for export are set strictly. It becomes charge to have good quality control of their production as export houses win alien exchange for the country. In the garment industry quality control is practiced right from the initial stage of sourcing raw materials to the stage of final finished garment.

A thesis paper is known as a research paper that provides sufficient information about particular topics. My thesis paper contains "Quality Problem in Knit Garments Production with their remedies"

Quality has been with us since the dawn of civilization. Quality is one of the most important factors in Textile sector. So quality control is required to make quality full products in this competitive world market. It is important to maintain quality in textile sector as well as garments production. So I have selected this topic. Therefore, a study was carried out in the garment industry named Alim Knit (BD) Ltd. Bangladesh at sample section, cutting section, sewing section, finishing section to identify faults so as to eliminate them for maintaining quality and improving product quality.

1.2 Objectives of the Study:

Objective of this study are given below:

- To enhance the quality of garments product
- To know about the reasons of defects
- To Performance technical solution
- To know which fault can be extremely occur in garments.
- To place the faults that are arrive in various section of a garments industry
- To rise skill and productivity
- To find out the sewing defects and their causes.
- To find out the finishing defects and their causes.
- To abate the sewing defects.
- To abate the finishing defects.

1.3 Significance of the Study

Every study has some significance. Some significance of this study is given below:

- During my internship I have picked up applied knowledge about quality Problem.
- Beside this I have informed about various types of faults
- From this report I can fix which step should be taken or should not be taken on the basis of faults.
- It helps us to learn various fault occur daily in sampling, cutting, sewing, finishing.

1.4 Limitations:

During my thesis period I have faced some problem. Those are given below:

- I can't compile all data due to some limitation.
- Except permit of over rebel I can't fetch whatever essential papers.
- Some section however following aged QC system.
- Time was further a limitation.
- Concourse fact during working was a cold steel job.

CHAPTER-2: LITERATURE REVIEW

2.1 Quality

Quality is defined as the level of admission of a good or service. It is a very necessary need for any kind of product. All products should sustain the value quality level. In this 21st century of globalization plaza are proper one after another complicated that's why each industry are frontal a high level of emulation for their business. So the product must make the buyer necessity. For this reason every product should sustain the quality level. For the textile industry and apparel manufacturing industry, product quality is calculated in word of quality norm of fiber, yarn, fabric construction, color fastness, design and the ultimate finished garment. Nowadays customer are very much quality aware. If it is probable to keep up a high Quality system of inspection policy, the buyers shall be motivated and more quality products can be made. All appreciated the term "Quality" but it is hard to define. Quality note the full form and feature of a product trust on customers' prospect of performance and permanence of that product. Quality alters from people to people as their preferences. Quality is the unanimous label of acceptance of any product between the two parties. User's satisfaction is the ultimate object of the garments quality. According to the International Organization for Standardization (ISO) –

"Quality is the fulfillment of the specified requirements for a product or service".

2.2 Importance of Quality

Governing quality is final for businesses. Quality products help to sustain buyer gratification and attachment and reduce the danger and cost of replacing defecting goods. Companies can set up repute for quality by being accreditation with an acknowledged quality standard, such as ISO 9001, published by the International Organization for Standardization. The product must satisfy the consumer in terms of beauty, attractiveness, taste, shape, design & longevity etc. depending on the type of product.

2.3 Quality Control

Consistent Quality control is the operational techniques and operation that are used to complete requirements for quality. Quality control can be defined as the checking, confirmation and regulation of degree of nobility of a quality or wealth of any. Quality is not like the abloom a Flower that it blooms without cause and all the colors of petals comes from with-in and at last

the aroma expansion in the trouble to draw everyone. Garments Quality will not come automatically till and if not it is systemized. To earn Quality in Garments everybody has to be Quality Conscious and at the same time peoples at various levels should know the Tools and Techniques for Controlling and earn Quality of Garments. Some Quality should be limited by Formats, Some by numbers, some by aesthetic eye, whatever with injunction, some with general sense and some with limitation.

Satisfactory quality can only be ensured through:

- Knowledgeable the customer need.
- Scheming to meet them.
- Perfect construction.
- Certified representation and security.
- Clear indication manual.
- Compatible packaging.

Satisfaction quality can be ensured from the customer's point of view by providing:

- Right product.
- Right quality.
- Right time.
- Undamaged condition.

To ensure the quality level of a garment we need to observe some specific sector

- Nothing Fault in fabric.
- Shade becoming of the garments.
- Making the pattern as per customer requirement.
- All the various parts of the garment should have the faithful size.
- Batter stitching, seam form should be perfect.
- More goods such as button, zipper, tag, level is in right position.
- Packing and packaging.

2.3.1 Objective of Quality Control

- To reduce per unit cost of a product
- To utilize the raw materials, men, machines
 - To gain customer satisfaction by reducing faults.
 - To identify different types of faults during Inspection

2.4 Acceptable Quality Level (AQL)

AQL is one of the most repeatedly used terms when it comes to quality in the garments export industry. As most of the acknowledgment decisions of the apparel shipments for the export market are made on the basis of AQL. AQL means admissible Quality Level. In any business process, before accepting the finished goods from the manufacturer buyer do inspection of goods. It is so much important in export garment sector. Foreign buyers are so much concerned about product quality. They give AQL on the product to the manufacturer. Buyers do inspection of goods as randomly process. If AQL pass that means goods are in acceptable quality level he gives certificate to ship the goods. The AQL level varies process to process, product to product and even buyer to buyer. In the following table a sampling plan is given for final shipment inspection. Acceptance Quality Level (AQL) refers to the maximum number of defective items that could be considered accepted during the random sampling of and inspection. The defects that are found during inspection are classified into 3 categories:

- Critical: Must be 100% accurate. There is no range.
- Major: Normally 2.5%
- Minor: Normally 4%

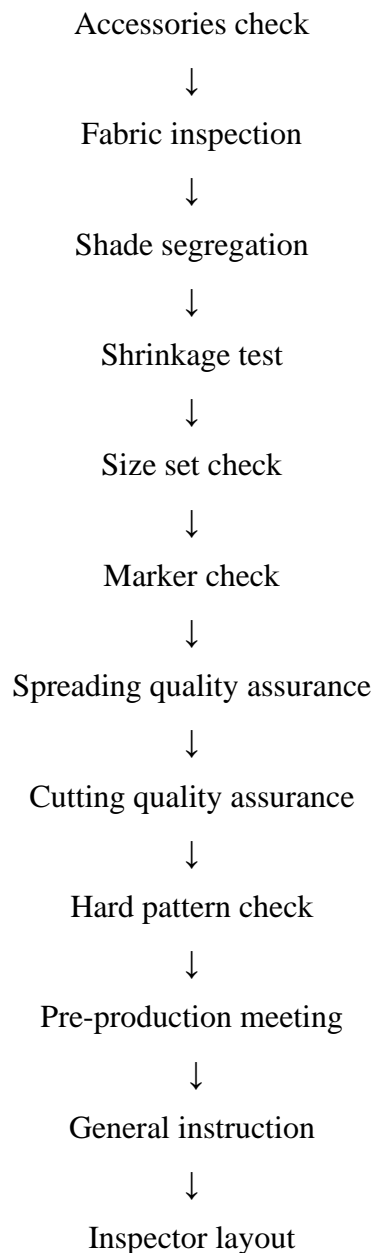
| Footwear Industry Standard Final Inspection Sampling Plan (Normal)* | | | | | | | | |
|--|--------------------------------------|--------|---------|--------|---------|--------|---------|--------|
| Lot Size or Quantity Audited | Acceptable Quality Level (AQL) Level | | | | | | | |
| | 1.5 | | 2.5 | | 4 | | 6.5 | |
| | Inspect | Accept | Inspect | Accept | Inspect | Accept | Inspect | Accept |
| Less than 150 | 20 | 1 | 20 | 1 | 20 | 2 | 20 | 3 |
| 151 – 280 | 32 | 1 | 32 | 2 | 32 | 3 | 32 | 5 |
| 281 – 500 | 50 | 2 | 50 | 3 | 50 | 5 | 50 | 7 |
| 501 – 1,200 | 80 | 3 | 80 | 5 | 80 | 7 | 80 | 10 |
| 1,201 – 3,200 | 125 | 5 | 125 | 7 | 125 | 10 | 125 | 14 |
| 3,201 – 10,000 | 200 | 7 | 200 | 10 | 200 | 14 | 200 | 21 |
| 10,001 – 35,000 | 315 | 10 | 315 | 14 | 315 | 21 | 315 | 21 |
| 35,001 – 150,000 | 500 | 14 | 500 | 21 | 500 | 21 | 500 | 21 |
| 150,001 – 500,000 | 800 | 21 | 800 | 21 | 800 | 21 | 800 | 21 |
| 500,001 & Over | 1250 | 21 | 1250 | 21 | 1250 | 21 | 1250 | 21 |

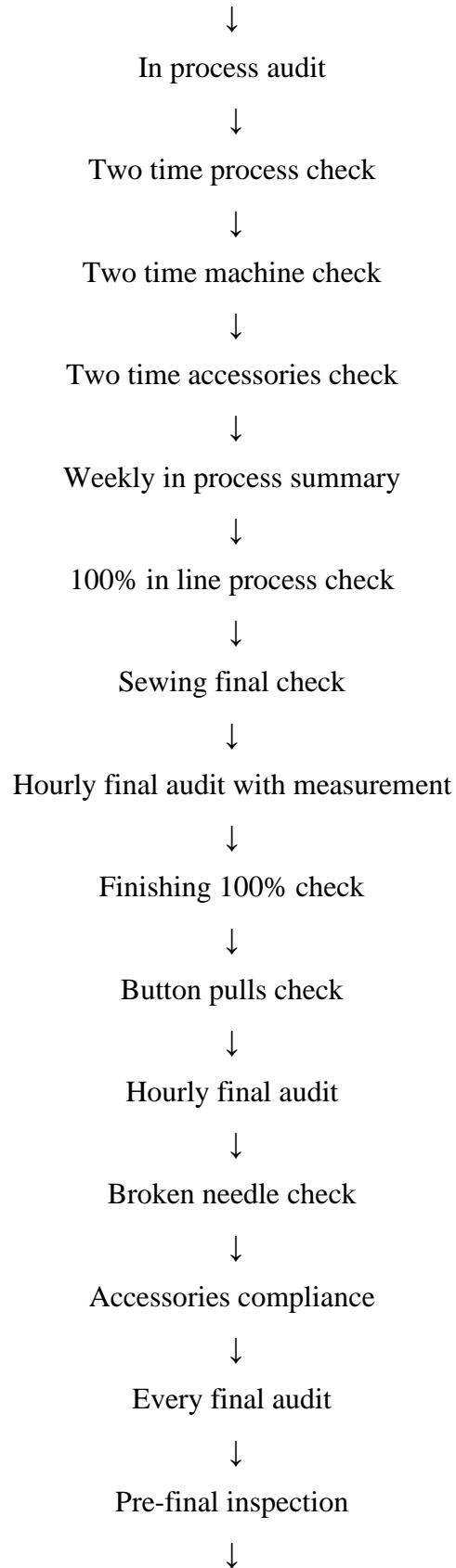
Table 2.4.1: AQL

2.5 Quality Assurance

Quality affirmation (QA) is a method for anticipating mix-ups or deserts in made items and dodging issues while conveying arrangements or administrations to clients; which ISO 9000 characterizes as "a major aspect of value the board concentrated on giving certainty that quality prerequisites will be satisfied".

2.5.1 Process Flow Chart of Quality Assurance Department





Ready for final inspection



Shipment

2.5.2 Working Sequence of Quality Section

Sample comments follow-up measurement



Pattern grading



Pattern through to cutting section



Fabric inspection (GSM, color shade etc.)



Fabric Ok



Lay check



Print check



Line check



Sewing output check



After remove if have

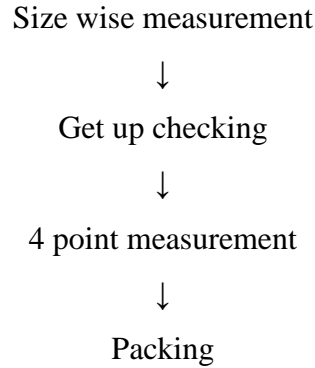


Finishing(ironing)



Main check (size measurement)



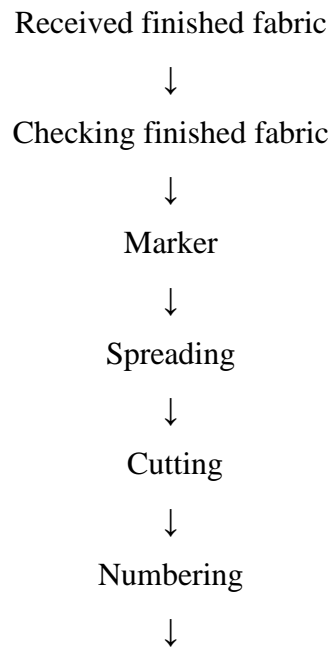


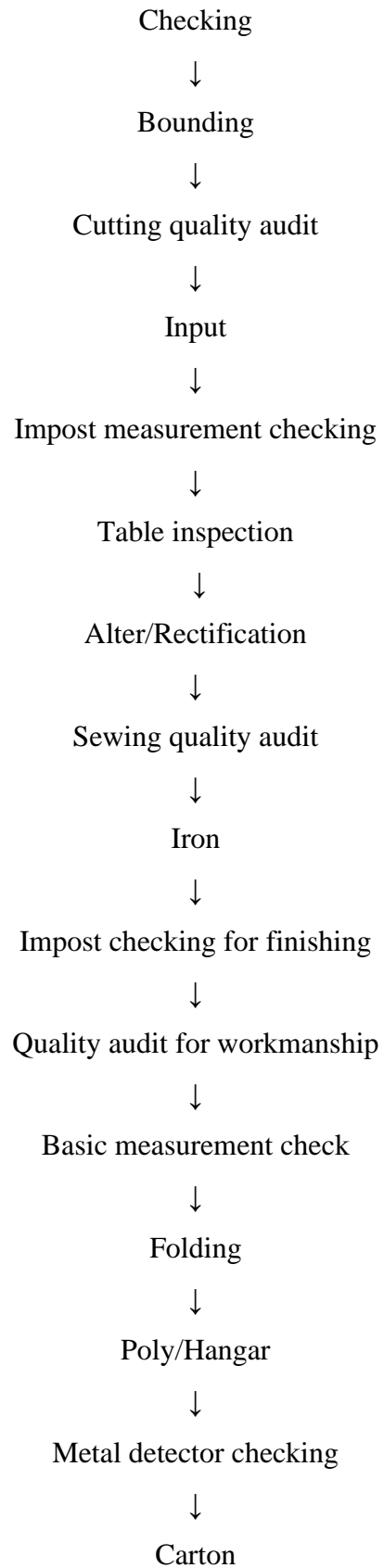
2.6 Quality Control in Garments Production

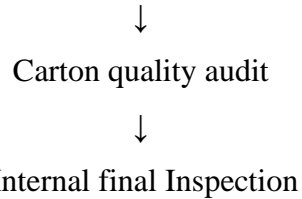
There are different strides of Garments preparations where in-process review and quality control are finished. Primarily three areas are notice underneath

- Quality control in sewing section
- Quality control in finishing section.

2.6.1 Flow Chart of Garments Quality Control







2.6.2 Types of Quality Section:

In my project work we had worked how to control quality of garments production in

- Sewing section
- Finishing section.

2.7 Sewing:

Sewing segment is the most imperative bureau of an article of clothing fabricating industry. Sewing machines of various sorts are orchestrated as a vertical line to gather the articles of clothing. Succession of sorts of sewing machine plan relies upon grouping of amassing tasks. After get the pieces of clothing segments from cutting area, every one of the articles of clothing parts are joined and sewing as successively. Clearly every one of the segments are sewn regards on purchaser prerequisite.



Fig 2.1: Sewing section

2.8 Garment finishing of Quality:

Comprises of a progression of completing tasks performed in the article of clothing to enhance its style, handle and practical properties. The handling tasks can be either or both mechanical and synthetic in nature, which are performed in sewed pieces of clothing as single or clump. A few completing procedures connected to the texture can be connected to made pieces of clothing. Be that as it may, strength machines are required for article of clothing completing tasks. Likewise, a large number of the completing activities may not be conservative to perform in piece of clothing structure. Subsequently, it is basic to finish the completing activities in texture frame except if there are one of a kind highlights that must be included the article of clothing structure or fuse of any usefulness to the piece of clothing.

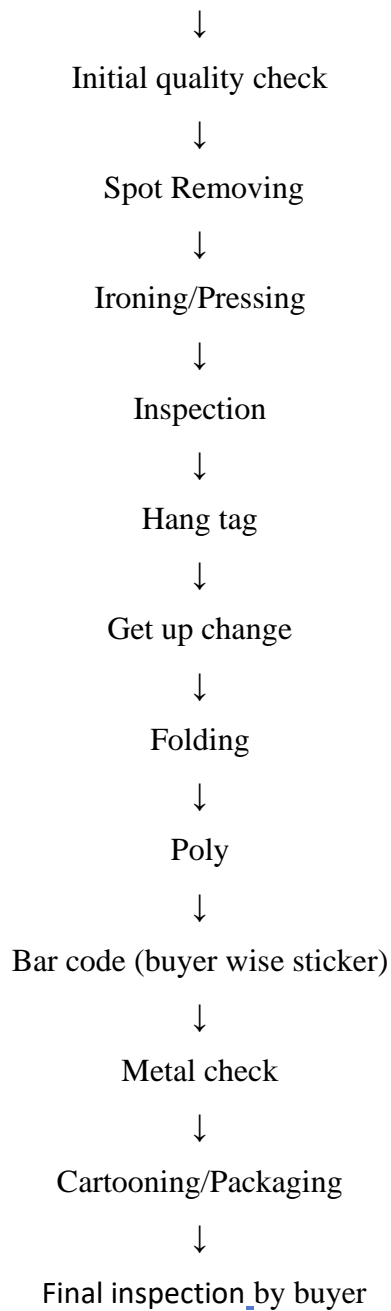


Fig: 2.2. Garment finishing department

The term ‘garment finishing’ was a buzzword for the process in the denim industry; now the term has been extended to a range of ready-made garments such as shirts, Sewat -shirts, trousers.

2.8.1 Process Flow Chart of Garment Finishing:

Finishing input (style, color & size wise)



CHAPTER-3: METHODOLOGY

I have worked at Alim Knit (BD) Ltd. in sewing segment and completing segment and discover the diverse imperfection which was happened in sewing and completing area for various reasons for pieces of clothing creation. Subsequent to discovering the deformities and their causes I examine how to fathom the imperfections and how to control the nature of the articles of clothing. In beneath we have given distinctive information in the table of the industrial facility and portray how we can keep up the nature of the articles of clothing.

3.1: Sewing Garment Inspection Report:

DAY 1:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date : 02.11.19 Line No. : 03 Buyer: ETAM Ref No. : 630/235 Unit : 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | | Spot & Shade | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | | Signature | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-------------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|------------|--------------|----------------------|---------------|---------------------|-------------------------------|----------------|-------------------|------------------------|-----------|--------------------|--------|----------|------------|-------------|------------|--------|---------|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pickering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lb / Print lb / side | Without label/Accessories | Down stitch [Unbalance Stg] | Needle Cut | Loose tenton | Sleeve / Leg Up-Down | | | | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | | Collar band Uneven | Pleats | Oil Spot | Dirty Spot | Middle Mark | Part Shade | Sewing | Cutting |
| 1st | 82 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 123 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 129 | 125 | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4th | 128 | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | 127 | 125 | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6th | 128 | 125 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 7th | 128 | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 102 | 100 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 9th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.TTL | 947 | 925 | | 1 | 1 | | 5 | 5 | | | 2 | | 1 | | 4 | 3 | | | | | | | | | 4 | | | | | | | | | | |

Supervisor / Line Chief Floor Incharge Q.C Incharge IE Officer Factory Manager

Scanned by CamScanner

Fig 3.1: Alim Knit (BD) Production Data (Day 1)

Date: 02.11.19 Line No: 03 Buyer: ETAM Ref No: 630/235 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | G.TTL |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Check Qty | 82 | 123 | 129 | 128 | 127 | 128 | 128 | 102 | 947 |
| Ok Qty | 80 | 120 | 125 | 125 | 125 | 125 | 125 | 100 | 925 |
| Broken Stitch | | | | | | | 1 | | 1 |
| Raw Edge | | | | | | | 1 | | 1 |
| Open Tack | | | 2 | | 1 | 1 | | 1 | 5 |

Fig 3.2: Sewing Hourly Production Data (Day 2)

Date: 04.11.19

Line No: 03

Buyer: Perry Ellis

Ref No: 445/660

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | G.TTL |
|------------------------------|------|------|-----|------|------|------|------|------|-------|
| Check Qty | 62 | 42 | 25 | 38 | 37 | 106 | 114 | 106 | 530 |
| Ok Qty | 12 | 12 | 5 | 25 | 25 | 100 | 107 | 100 | 386 |
| Broken Stitch | | | | | | 1 | | | 1 |
| Raw Edge | | | | | | 1 | | | 1 |
| Uneven Placket | 20 | 10 | 10 | 3 | 5 | | | | 48 |
| Label Mistake | | | | | | 2 | 2 | 2 | 6 |
| Without label/Accessories | | | | | | | 2 | 2 | 4 |
| Stripe Up-Down | 30 | 20 | 10 | 10 | 7 | 2 | 3 | 2 | 84 |
| Total Defects | 50 | 30 | 20 | 13 | 12 | 6 | 7 | 6 | 144 |
| Total Defective Pcs | 50 | 30 | 20 | 13 | 12 | 6 | 7 | 6 | 144 |
| DHU(Defect Per Hundred Unit) | 80.6 | 71.4 | 80 | 34.2 | 32.4 | 5.66 | 6.14 | 5.66 | 27.1 |
| Signature | | | | | | | | | |

DAY 3:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date : 05.11.19 Line No. : 03 Buyer: Perry Ellis Ref No. : 445/660 Unit : 03

| No. of Check | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pikaring/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven neck/ Rib | Uneven Placket | Label Mistake | Size/ Main lbl / Print lbl side | Without label/accessories | Down stitch [Unbalance Sts] | Needle Cut | Loose lemion | Sleeve / Leg Up-Down | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleate | Oil Spot | Dirty Spot | Niddle Mark | Part Side | Spot & Shade | | Reject | |
|--------------|-----------|--------|-------------|---------------|----------|-----------|-----------|-------------------|------------------|-----------------|---------------|------------------|----------------|---------------|---------------------------------|---------------------------|-----------------------------|------------|--------------|----------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|-----------|---------------|---------------------|-------------------------------|-----------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Signature |
| 1st | 76 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | | | |
| 2nd | 66 | 60 | | | 1 | | | | | | | | 11 | | | | | | | | | | | | | | | 7 | 7 | | | | |
| 3rd | 68 | 65 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | |
| 4th | 54 | 50 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | | | |
| 5th | 53 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | | | | |
| 6th | 52 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | |
| 7th | 53 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | |
| 8th | NILL | | | | | | | | | | | | | | | | | | | | | | | | | | | NILL | | | | | |
| 9th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.TTL | 422 | 395 | 2 | 1 | 2 | 2 | | | | | | 2 | 1 | | 4 | 1 | | | | | 12 | | | | | | | 29 | 23 | 6.3 | | | |

Supervisor Line Chief Floor Incharge Q.C Incharge P.E Officer Factory Manager

Fig 3.3: Sewing Hourly Production Data (Day-3)

Date: 05.11.19 Line No: 03 Buyer: Perry Ellis Ref No: 445/660 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | G.TTL |
|----------------|-----|-----|-----|-----|-----|-----|-----|------|-------|
| Check Qty | 76 | 66 | 68 | 54 | 53 | 52 | 53 | NILL | 422 |
| Ok Qty | 70 | 60 | 65 | 50 | 50 | 50 | 50 | | 395 |
| Skip/ Drop | | | 2 | | | | | | 2 |
| Broken Stitch | | | | 1 | | | | | 1 |
| Raw Edge | | 1 | | 1 | | | | | 2 |
| Open Seam | 1 | | | | 1 | | | | 2 |
| Uneven Placket | | 2 | | | | | | | 2 |

| | | | | | | | | | |
|---------------|--|--|--|--|--|--|---|--|---|
| Label Mistake | | | | | | | 1 | | 1 |
|---------------|--|--|--|--|--|--|---|--|---|

| | | | | | | | | | |
|--------------------------------|------|------|------|------|------|------|------|------|------|
| Without label/Accessories | 2 | | | 1 | 1 | | | | 4 |
| Down stitch (Unbalance Sts) | | | | | | | 1 | | 1 |
| Stripe Up-Down | 3 | 3 | | 1 | 2 | 2 | 1 | | 12 |
| Oil Spot | | 1 | | | | | | | 1 |
| Dirty spot | | | 1 | | | | | | 1 |
| Total Defects | 6 | 7 | 3 | 4 | 4 | 2 | 3 | NILL | 29 |
| Total Defects Pcs | 6 | 6 | 3 | 4 | 3 | 2 | 3 | | 27 |
| DHU (Defects Per Hundred Unit) | 7.89 | 10.6 | 4.41 | 7.46 | 7.54 | 3.84 | 5.66 | | 6.87 |
| Sewing | | | | | | 1 | | | |
| Fabric | | | | | | 1 | | | |
| Signature | | | | | | | | | |

| | | | | | | | | | | | |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|------|------|
| side | | | | | | | | | | | |
| Without label/Accessories | 2 | 2 | | 1 | | | 1 | | | | 6 |
| Stripe Up-Down | 1 | | | | | | | 3 | | 2 | 6 |
| Pleate | | 1 | 1 | 1 | | | | | | | 3 |
| Dirty spot | | | 1 | | 2 | 1 | | | | | 4 |
| Niddle Mark | | | | | 2 | | 2 | | | 3 | 7 |
| Total Defects | 4 | 5 | 4 | 7 | 6 | 4 | 4 | 3 | Nil | 5 | 42 |
| Total Defective Pcs | 4 | 4 | 3 | 6 | 5 | 4 | 3 | 3 | | 5 | 37 |
| DHU (Defect Per Hundred Unit) | 7.4 0 | 9.2 5 | 7.5 4 | 12. 5 | 10. 9 | 5.0 6 | 7.5 4 | 9.0 9 | | 17.2 | 9.01 |
| Fabric | 1 | | | | | | | | | | |
| Signature | | | | | | | | | | | |

DAY 5:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 07.11.19 Line No.: 03 Buyer: Ferry Ellis Ref No.: 445/659 Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | | Spot & Shade | | Total Defects | Total Defective Pcs | DPU (Defect Per Hundred Unit) | Reject | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-------------------|-----------------|---------------|-------------------|----------------|---------------|-----------------------------------|---------------------------|-----------------------------|------------|---------------|----------------------|---------------|---------------------|-------------------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|------------|--------|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pickering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lbi / Print lbi aside | Without label/Accessories | Down stitch (Unbalance Sta) | Needle Cut | Loose lention | Sleeve / Leg Up-Down | | | | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleats | Oil Spot | Dirty Spot | Middle Mark | Part Shade | Sewing |
| 1st | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 73 | 70 | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | |
| 4th | 53 | 50 | | | 1 | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | |
| 5th | 56 | 50 | | | 1 | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | |
| 6th | 75 | 70 | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | |
| 7th | 64 | 60 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 63 | 60 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9th | 75 | 70 | | | 1 | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | |
| 10th | 86 | 80 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.TTL | 545 | 510 | 2 | 5 | 3 | 6 | | | | | 2 | | 9 | | 1 | | | | | 11 | | | | 2 | | 1 | | 24 | 54 | 639 | 1 | 1 | |

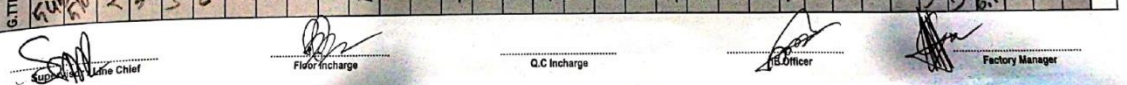


Fig 3.5: Sewing Hourly Production Data (Day-5)

Date: 07.11.19 Line No: 03 Buyer: Ferry Ellis Ref No: 445/659 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| Check Qty | | | 73 | 53 | 56 | 75 | 64 | 63 | 75 | 86 | 545 |
| Ok Qty | Nil | Nil | 70 | 50 | 50 | 70 | 60 | 60 | 70 | 80 | 510 |
| Skip/ Drop | | | | | | | | 1 | | 1 | 2 |
| Broken Stitch | | | | | | | 2 | | | 3 | 5 |
| Raw Edge | | | | 1 | | | | | | 2 | 3 |
| Open Seam | | | | | 3 | | 1 | 1 | 1 | | 6 |
| Uncute thread | | | | | | | | 2 | | | 2 |
| Label Mistake | | | | | 1 | 2 | | | 1 | | 4 |

| | | | | | | | | | | | |
|---------------------|-----|-----|------|------|------|------|------|------|------|------|------|
| Down stitch | | | | | | | 1 | | | | 1 |
| Stripe Up-Down | | | 3 | 3 | 2 | | | | 3 | | 11 |
| Pleate | | | | | | 2 | | | | | 2 |
| Niddle Mark | | | | | | 1 | | | | | 1 |
| Total Defects | Nil | Nil | 3 | 4 | 6 | 5 | 4 | 4 | 5 | 6 | 37 |
| Total Defective Pcs | | | 3 | 3 | 6 | 5 | 4 | 3 | 5 | 6 | 34 |
| DHU | | | 4.10 | 5.66 | 10.7 | 6.66 | 5.25 | 6.34 | 6.66 | 6.97 | 6.78 |
| Sewing | | | | | | | 1 | | | | 1 |
| Fabric | | | | 1 | | | | | | | 1 |
| Signature | | | | | | | | | | | |

DAY 6:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 11.11.19 Line No.: 03 Buyer: Etam Ref No. 630/295 Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | | Spot & Shade | | | | Total Defects | Total Defective Pcs | DPU [Defect Per Hundred Unit] | Reject | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-------------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|------------|--------------|----------------------|----------------|-------------------|---------------|---------------------|-------------------------------|------------------------|--------------------|--------|----------|------------|-------------|------------|--------|---------|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pickering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lbl / Print lbl side | Without label/Accessories | Down stitch [Unbalance Stc] | Needle Cut | Loose tenton | Sleeve / Leg Up-Down | Strips Up-Down | Side Band Up-Down | | | | Side / Shoulder Uneven | Collar band Uneven | Plcate | Oil Spot | Dirty Spot | Middle Mark | Part Shade | Sewing | Cutting |
| 1st | 74 | 70 | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 83 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 104 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4th | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6th | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7th | 26 | 25 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 26 | 25 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 9th | 30 | 28 | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 10th | 32 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.TTL | 375 | 352 | | 1 | 3 | | 2 | | 5 | | 1 | | | 2 | 1 | | | | | | | | | | 1 | | | | | | | | | |

Supervisor / Line Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] In-Officer: [Signature] Factory Manager: [Signature]

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Fig 3.6: Sewing Hourly Production Data (Day-6)

Date: 11.11.19 Line No: 03 Buyer: Etam Ref No: 630/295 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| Check Qty | 74 | 83 | 104 | Nil | Nil | Nil | 26 | 26 | 30 | 32 | 375 |
| Ok Qty | 70 | 60 | 100 | | | | 25 | 25 | 28 | 30 | 352 |
| Broken Stitch | 1 | | | | | | | | | | 1 |
| Raw Edge | | 1 | 2 | | | | | | | | 3 |
| Four point updown | 1 | | 1 | | | | | | | | 2 |
| Uncute thread | | | | | | | 1 | 1 | 1 | 2 | 5 |
| Size/ Main, print lbl | | 1 | | | | | | | | | 1 |
| Without label/ | 1 | 1 | | | | | | | | | 2 |

| | | | | | | | | | | | |
|---------------------|------|------|------|------|------|------|---|---|------|------|-----|
| Access | | | | | | | | | | | |
| Down stitch | | | 1 | | | | | | | | 1 |
| Oil Spot | | 1 | | | | | | | | | 1 |
| Dirty spot | | | | | | | | | 1 | | 1 |
| Niddle mark | 1 | | | | | | | | | | 1 |
| Total Defects | 4 | 4 | 4 | Null | Null | Null | 1 | 1 | 2 | 2 | 18 |
| Total Defective Pcs | 4 | 3 | 4 | | | | 1 | 1 | 2 | 2 | 17 |
| DHU | 5.40 | 4.81 | 3.84 | | | | 4 | 4 | 6.66 | 6.25 | 4.8 |
| Sewing | 1 | | | | | | | | | | |
| Fabric | 1 | | | | | | | | | | |
| Signature | | | | | | | | | | | |

DAY 7:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 12.11.19 Line No.: 03 Buyer: Kaufland Ref No.: 590/550 Unit: 03

| No. of Check | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pikering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lbi / Print lbi side | Without label/Accessories | Down stitch (Unbalance St) | Needle Cut | Loose lention | Sleeve / Leg Up-Down | Slips Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleate | Oil Spot | Dirty Spot | Middle Mark | Part Sade | Spot & Shade | | Total Defects | | Reject | | Signature |
|--------------|-----------|--------|-------------|---------------|----------|-----------|-----------|-------------------|------------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|----------------------------|------------|---------------|----------------------|---------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|-----------|---------------|---------------------|-------------------------------|--------|---------|--------|-----------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total Defects | Total Defective Pcs | DHU (Defect Per Hundred Unit) | Sewing | Cutting | Fabric | |
| 1st | 56 | 50 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 6 | 10.2 | | | |
| 2nd | 74 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 5.4 | | | |
| 3rd | 72 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.8 | | | |
| 4th | 73 | 70 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 4.1 | | | |
| 5th | 72 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.8 | | | |
| 6th | 103 | 100 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | 2.9 | | | |
| 7th | 52 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3.8 | | | |
| 8th | 52 | 50 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 3.8 | | | |
| 9th | 54 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 7.4 | | | |
| 10th | 125 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2.4 | | | |
| G.TTL | 711 | 630 | 7 | 7 | 7 | | | | | | | | | | | 3 | 1 | | | | | | | | | | | | | 39 | 31 | 4.4 | | | | |

Supervisor Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] IE-Officer: [Signature] Factory Manager: [Signature]

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Fig 3.7: Sewing Hourly Production Data (Day-7)

Date: 12.11.19 Line No: Buyer: Kaufland Ref No: 590/550 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| Check Qty | 56 | 74 | 72 | 73 | 72 | 103 | 52 | 52 | 54 | 125 | 711 |
| Ok Qty | 50 | 70 | 70 | 70 | 70 | 100 | 50 | 50 | 50 | 100 | 630 |
| Skip/ Drop | 2 | 1 | | | 1 | | 2 | | | 1 | 7 |
| Broken Stitch | 3 | 1 | | | | 2 | | 1 | | | 7 |
| Raw Edge | | | | 2 | | | | 2 | 2 | 1 | 7 |
| Without label/Accessories | 2 | | | | | 1 | | | | | 3 |
| Down stitch | | | | | 1 | | | | | | 1 |

| | | | | | | | | | | | |
|---------------------|------|------|-----|------|-----|------|------|------|------|------|------|
| Dirty spot | | 2 | 2 | 1 | | 1 | | | 2 | 1 | 9 |
| Total Defects | 7 | 4 | 2 | 3 | 2 | 4 | 2 | 3 | 4 | 3 | 34 |
| Total Defective Pcs | 6 | 4 | 2 | 3 | 2 | 3 | 2 | 2 | 4 | 3 | 31 |
| DHU | 10.7 | 5.40 | 2.7 | 4.10 | 2.7 | 3.88 | 3.84 | 5.76 | 7.40 | 2.91 | 4.78 |
| Signature | | | | | | | | | | | |

DAY 8:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 13.11.19 Line No.: 02 Buyer: Rau Poland Ref No.: 500/550 Unit: 03

| No. of Check | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Packing/Sharng | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main In / Print In side | Without label/Accessories | Down stitch [Unbalance Stg] | Needle Cut | Loose tenton | Sleeve / Leg Up-Down | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Plaste | Spot & Shade | | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | |
|--------------|-----------|--------|-------------|---------------|----------|-----------|-----------|-------------------|----------------|-----------------|---------------|-------------------|----------------|---------------|--------------------------------|---------------------------|-----------------------------|------------|--------------|----------------------|----------------|-------------------|------------------------|--------------------|--------|--------------|------------|-------------|---------------|---------------------|-------------------------------|--------|---------|--------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | Oil Spot | Dirty Spot | Hidden Mark | | | | Sewing | Cutting | Fabric |
| 1st | 20 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 150 | | | | | |
| 2nd | 20 | 18 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 100 | | | | |
| 3rd | 20 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 100 | | | | |
| 4th | 20 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 200 | | | | |
| 5th | 20 | 18 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 150 | | | | |
| 6th | 20 | 18 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 5 | 4 | 200 | | | | |
| 7th | 20 | 18 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 150 | | | | |
| 8th | 20 | 18 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 5 | 4 | 200 | | | | |
| 9th | 20 | 18 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 200 | | | | |
| 10th | 20 | 18 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 150 | | | | |
| G.TTL | 200 | 180 | | 10 | 3 | | | 14 | | | | | | | | | | | | | | | | | | | | 35 | 31 | 3500 | | | | |

Supervisor/Line Chief: _____ Floor Incharge: _____ Q.C Incharge: _____ IE Officer: _____ Factory Manager: _____

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Fig 3.8: Sewing Hourly Production Data (Day-8)

Date: 13.11.19

Line No: 03

Buyer: Rauflant

Ref No: 520/550

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | D.TTL |
|---------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Check Qty | 78 | 72 | 52 | 104 | 52 | 104 | 103 | 104 | 104 | 103 | 876 |
| Ok Qty | 75 | 70 | 50 | 100 | 50 | 100 | 100 | 100 | 100 | 100 | 845 |
| Skip/ Drop | | | | | | | | | 1 | 1 | 2 |
| Broken Stitch | | 1 | | | 1 | 3 | 2 | 2 | 1 | | 11 |
| Raw Edge | 2 | | | | | 1 | | | | | 3 |
| Open seam | | | | | | | 1 | | | 2 | 3 |
| Four point updown | 1 | | 2 | 3 | 2 | | | 3 | 2 | | 14 |
| Uncute threat | | 1 | | | | | | | | | 1 |
| Dirty spot | | | | | | 1 | | | | | 1 |
| Total Defects | 3 | 2 | 2 | 4 | 3 | 5 | 3 | 5 | 4 | 3 | 35 |
| Total Defective Pcs | 3 | 2 | 2 | 4 | 2 | 4 | 3 | 4 | 4 | 3 | 31 |
| DHU | 3.34 | 2.77 | 3.84 | 3.34 | 5.79 | 4.80 | 2.91 | 4.81 | 3.84 | 2.91 | 3.99 |
| Signature | | | | | | | | | | | |

| | | | | | | | | | | | |
|---------------------|---|------|------|------|------|------|------|------|------|------|------|
| label/Accessories | | | | | | | | | | | |
| Down stitch | | | 2 | | | | | | | | 2 |
| Dirty spot | | | | | | 2 | | 2 | | 1 | 5 |
| Total Defects | 2 | 2 | 5 | 4 | 3 | 4 | 2 | 4 | 4 | 3 | 33 |
| Total Defective Pcs | 2 | 2 | 4 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 30 |
| DHU | 8 | 1.96 | 4.80 | 3.10 | 2.91 | 3.88 | 2.43 | 3.84 | 3.88 | 2.91 | 3.43 |
| Sewing | | | 1 | | | | | 1 | | | 2 |
| Cutting | | | | | | | | | 1 | | 1 |
| Fabric | 1 | | | | | | | | | | 1 |
| Signature | | | | | | | | | | | |

DAY 10:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 16.11.19 Line No.: 03 Buyer: *Kaufland* Ref No.: *R20/550* Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | Spot & Shade | | | | Total Defects | Total Defective Pcs | DHU (Defect Per Hundred Unit) | Reject | | | Signature | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|------------------|-----------------|--------------|-------------------|----------------|---------------|---------------------------------|---------------------------|-----------------------------|--------------|--------------|----------------------|----------------|---------------|---------------------|-------------------------------|-------------------|------------------------|--------------------|-----------|--------|----------|------------|-------------|------------|--------|---------|--------|--|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tuck | Four point Updown | Pakaring/Sharing | Uneven Hem/Cuff | Uncle thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lb / Print lbi side | Without label/Accessories | Down stitch (Unbalance Stc) | Needle Cut | Loose tenion | Sleeve / Leg Up-Down | Stripe Up-Down | | | | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | | Plaste | Oil Spot | Dirty Spot | Middle Mark | Part Shade | Sewing | Cutting | Fabric | |
| 1st | 56 | 50 | 1 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 65 | 60 | 11 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 30 | 25 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4th | 30 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9th | 13 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10th | 30 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.M | 330 | 300 | 3 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Supervisor / Line Chief: *[Signature]* Floor Incharge: *[Signature]* Q.C Incharge: *[Signature]* IE Officer: *[Signature]* Factory Manager: *[Signature]*

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Fig3.10: Sewing Hourly Production Data (Day-10)

Date: 16.11.19

Line No: 03

Buyer: Kaufland

Ref No: 520/550

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------------------|------|------|------|------|------|------|------|------|-----|------|-------|
| Check Qty | 56 | 65 | 79 | 33 | Null | Null | Null | Null | 26 | 30 | 339 |
| Ok Qty | 50 | 60 | 75 | 30 | | | | | 25 | 26 | 300 |
| Skip/ Drop | 1 | 2 | | | | | | | | | 3 |
| Broken stitch | 2 | 1 | 2 | | | | | | | | 5 |
| Open Tack | 1 | | | | | | | | 1 | 2 | 4 |
| Label mistake | 1 | | | | | | | | | | 1 |
| Size, main/print lbl side | | | 1 | | | | | | | | 1 |
| Pleate | | 2 | 1 | 2 | | | | | | | 5 |
| Dirty spot | 2 | | | 1 | | | | | | | 3 |
| Total Defects | 7 | 5 | 4 | 3 | Null | Null | Null | Null | 1 | 2 | 22 |
| Total Defective Pcs | 6 | 5 | 4 | 3 | | | | | 1 | 2 | 21 |
| DHU | 12.5 | 7.59 | 5.06 | 3.61 | | | | | 4 | 6.60 | 6.48 |
| Signature | | | | | | | | | | | |

| | | | | | | | | | | | |
|---------------------|------|----|------|------|------|------|------|------|------|------|------|
| Down stitch | 2 | | | | | | | | | | 2 |
| Pleate | | | 1 | 1 | | | | | | | 2 |
| Dirty spot | | | | 2 | 1 | | | | | | 3 |
| Total Defect | 2 | 2 | 1 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 20 |
| Total Defective Pcs | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 19 |
| DHU | 9.09 | 10 | 3.29 | 7.84 | 9.35 | 4.76 | 5.41 | 5.40 | 5.40 | 6.25 | 6.11 |
| Signature | | | | | | | | | | | |

DAY 12:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 18-11-19 Line No.: 03 Buyer: Penny Ellis Ref No.: 447/673 Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | Spot & Shade | | | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | | Signature | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|------------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|------------|---------------|----------------------|---------------|---------------------|-------------------------------|----------------|-------------------|------------------------|-----------|--------------------|--------|----------|------------|-------------|-----------|--------|---------|--------|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pikaring/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lbi / Print lbi side | Without label/Accessories | Down stitch [Unbalance Sts] | Needle Cut | Loose tension | Sleeve / Leg Up-Down | | | | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | | Collar band Uneven | Pleate | Oil Spot | Dirty Spot | Middle Mark | Part Size | Sewing | Cutting | Fabric |
| 1st | 33 | 30 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 33 | 30 | 3 | 1 | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | |
| 3rd | 33 | 30 | 3 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4th | 30 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | 32 | 30 | 2 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6th | 32 | 30 | 2 | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | | | |
| 7th | 33 | 30 | 3 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 30 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9th | 30 | 30 | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 10th | 30 | 30 | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| G.T.T | 301 | 300 | 1 | 4 | 1 | 3 | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |

Supervisor/Line Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] I.C Officer: [Signature] Factory Manager: [Signature]

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Fig 3.12: Sewing Hourly Production Data (Day-12)

Date: 18.11.19

Line No: 03Buyer: Perry Ellis

Ref No: 445/673

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------------|------|------|------|-----|------|------|------|-----|------|------|-------|
| Check Qty | 33 | 37 | 43 | 40 | 42 | 32 | 43 | 40 | 42 | 32 | 384 |
| Ok Qty | 30 | 35 | 40 | 40 | 40 | 30 | 40 | 40 | 40 | 30 | 365 |
| Skip/ Drop | 2 | | 1 | | | | | | | 1 | 4 |
| Broken Stitch | | 1 | 1 | | 1 | | 1 | | | | 4 |
| Raw Edge | | | | | 1 | | | | | | 1 |
| Open seam | | | 1 | | | | 2 | | | | 3 |
| Stripe up-Down | 1 | 2 | | | | | | | | | 3 |
| Pleate | | | | | | 2 | | | 1 | 1 | 4 |
| Total Defects | 3 | 3 | 3 | 0 | 2 | 2 | 3 | 0 | 2 | 2 | 20 |
| Total Defective Pcs | 3 | 3 | 3 | 0 | 2 | 2 | 3 | 0 | 2 | 2 | 20 |
| DHU | 9.09 | 8.10 | 6.97 | 0 | 4.79 | 6.25 | 6.97 | 0 | 4.76 | 6.25 | 5.20 |
| Fabric | 1 | | 1 | | | | | | | | 2 |
| Signature | | | | | | | | | | | |

| | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|------|------|
| Oil Spot | 1 | 1 | 1 | | | | 1 | | 4 |
| Dirty spot | 1 | | 2 | 2 | 1 | 1 | | | 7 |
| Total Defects | 3 | 2 | 3 | 3 | 2 | 4 | 2 | 1 | 20 |
| Total Defective Pcs | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 1 | 18 |
| DHU | 4.76 | 3.84 | 3.84 | 4.83 | 2.43 | 5.47 | 2.43 | 0.99 | 3.36 |
| Signature | | | | | | | | | |

DAY 14:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 21.11.19 Line No.: 03 Buyer: Kaupland Ref No.: 520/545 Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | Spot & Shade | | | | Reject | | | | | | | | | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-----------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|--------------|---------------|----------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|------------|---------------|---------------------|-------------------------------|--------|---------|--------|-----------|--|--|--|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Task | Four point Updown | Packing/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main Ibi / Print Ibi side | Without Ibiel/Accessories | Down stitch (Unbalance Sts) | Needle Cut | Loose tension | Sleeve / Leg Up-Down | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleate | Oil Spot | Dirty Spot | Middle Mark | Part Shade | Total Defects | Total Defective Pcs | DHU (Defect Per Hundred Unit) | Sewing | Cutting | Fabric | Signature | | | |
| 1st | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4th | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6th | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7th | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 100 | 98 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.TTL | 1000 | 980 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Supervisor / Line Chief: _____ Floor Incharge: _____ Q.C Incharge: _____ IE Officer: _____ Factory Manager: _____

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Fig 3.14: Sewing Hourly Production Data (Day-14)

Date: 21.11.19

Line No: 03

Buyer: Kaufland

Ref No: 520/545

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | G.TTL |
|---------------------------|------|------|------|------|------|------|------|------|-------|
| Check Qty | 62 | 112 | 102 | 53 | 104 | 104 | 102 | 103 | 742 |
| Ok Qty | 60 | 110 | 100 | 50 | 100 | 100 | 100 | 100 | 720 |
| Skip/Drop | 1 | | | 2 | 3 | 1 | 1 | 1 | 9 |
| Broken stitch | | 1 | 1 | | | | 1 | | 3 |
| Raw Edge | | | 1 | | | | | | 1 |
| Open seam | 1 | | | | | 1 | | | 2 |
| Without label/Accessories | | 1 | | | | 1 | | 1 | 3 |
| Down stitch | | | 1 | | | | | | 1 |
| Pleate | | | | 1 | 2 | 1 | | 1 | 5 |
| Total Defects | 2 | 2 | 3 | 3 | 5 | 4 | 2 | 3 | 24 |
| Total Defective Pcs | 2 | 2 | 2 | 3 | 4 | 4 | 2 | 3 | 22 |
| DHU | 3.22 | 1.78 | 2.94 | 5.66 | 4.80 | 3.48 | 1.96 | 2.91 | 3.23 |
| Signature | | | | | | | | | |

DAY 15:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 23.11.19 Line No.: 03 Buyer: Kaufland Ref No.: 520/545 Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | | Spot & Shade | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | | Signature | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-------------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|------------|---------------|----------------------|---------------|---------------------|-------------------------------|----------------|-------------------|------------------------|-----------|--------------------|--------|----------|------------|-------------|-----------|--------|---------|--------|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pickering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lth / Print lth side | Without label/Accessories | Down stitch [Unbalance Sts] | Needle Cut | Loose tension | Sleeve / Leg Up-Down | | | | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | | Collar band Uneven | Pleate | Oil Spnt | Dirty Spot | Middle Mark | Part Side | Sewing | Cutting | Fabric |
| 1st | 78 | 75 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 62 | 60 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 61 | 60 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4th | 62 | 60 | | | | | | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | 92 | 90 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6th | 77 | 75 | | | | | | | | 11 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 7th | 78 | 75 | | | | | | | | 111 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 82 | 80 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9th | 102 | 100 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10th | 102 | 100 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| G.TTL | 796 | 775 | 4 | | | 2 | | | | 7 | | | | 5 | | | | | | | | | | | 1 | | | | | | | | | | | |

Supervisor / Line Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] IE Officer: [Signature] Factory Manager: [Signature]

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Fig 3.15: Sewing Hourly Production Data (Day-15)

Date: 23.11.19 Line No: 03 Buyer: Kaufland Ref No: 520/545 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| Check Qty | 78 | 62 | 61 | 62 | 92 | 77 | 78 | 82 | 102 | 102 | 796 |
| Ok Qty | 75 | 60 | 60 | 60 | 90 | 75 | 75 | 80 | 100 | 100 | 775 |
| Skip/Drop | 1 | 2 | 1 | | | | | | | | 4 |
| Open seam | 1 | | | | 1 | | | 1 | 1 | | 4 |
| Open Tack | 1 | | | | | 2 | 3 | | | 1 | 7 |
| Uncute thread | | | | | | | | 1 | | 1 | 2 |
| Label mistake | | | | 2 | 1 | | | 1 | | 1 | 5 |
| Pleate | | | | | | | | | 1 | | 1 |

Date: 24.11.19

Line No: 03

Buyer: Kaufland

Ref No: 520/545

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|--------------------------------|------|------|------|------|-----|------|------|------|------|------|-------|
| Check Qty | 54 | 78 | 77 | 72 | Nil | 52 | 77 | 82 | 155 | 103 | 760 |
| Ok Qty | 50 | 75 | 75 | 70 | | 50 | 75 | 80 | 150 | 100 | 725 |
| Skip/Drop | | | | 1 | | | 1 | | | 1 | 3 |
| Broken Stitch | | 1 | | 1 | | | 1 | | | | 3 |
| Raw Edge | 1 | | | | | 1 | | | | | 2 |
| Open seam | | 1 | | | | 1 | | | | | 2 |
| Open Tack | 3 | | 1 | | | | | | | | 4 |
| Uneven placket | | | | | | | | 3 | 4 | 2 | 9 |
| Size/Mainlbl/Print lbl side | | | | | | | | | 1 | | 1 |
| Without label/Accessories | | | | | | | | | | 1 | 1 |
| Down stitch | 1 | 1 | 1 | | | | | | | | 3 |
| Total Defects | 5 | 3 | 2 | 2 | Nil | 2 | 2 | 3 | 5 | 4 | 28 |
| Total Defective Pcs | 4 | 3 | 2 | 2 | | 2 | 2 | 2 | 5 | 3 | 25 |
| DHU | 9.25 | 3.81 | 2.59 | 2.77 | | 3.84 | 2.59 | 3.65 | 3.22 | 3.88 | 3.73 |
| Signature | | | | | | | | | | | |

| | | | | | | | | | | | |
|-------------------------------|-----|-----|------|------|-----|------|------|------|------|------|------|
| Size/Main Ibl/Print | | | | 1 | | | | | | | 1 |
| Ibl Side | | | | | | | | | | | |
| Without label/ Accessories | | | | 1 | | | | | | | 1 |
| Collar band Uneven | | | 2 | | | | | | | | 2 |
| Total Defects | Nil | Nil | 3 | 2 | Nil | 1 | 4 | 3 | 5 | 4 | 22 |
| Total Defective Pcs | | | 3 | 2 | | 1 | 4 | 3 | 5 | 4 | 22 |
| DHU | | | 5.66 | 3.84 | | 1.96 | 4.25 | 3.84 | 6.25 | 3.84 | 4.84 |
| Fabric | | | | | | | | 1 | | | 1 |
| Signature | | | | | | | | | | | |

DAY 18:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 26.11.19 Line No.: 03 Buyer: Koufand Ref No.: 520/545 Unit: 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | Spot & Shade | | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | | | | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-------------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|--------------|---------------|----------------------|---------------|---------------------|-------------------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|-----------|--------|---------|--------|-----------|--|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pickering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main Ibl / Print Ibl side | Without label/Accessories | Down stitch [Unbalance Sta] | Needle Cut | Loose tension | Sleeve / Leg Up-Down | | | | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleate | Oil Spot | Dirty Spot | Middle Mark | Part Sude | Sewing | Cutting | Fabric | Signature | |
| 1st | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2nd | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3rd | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | 111 | | | | | | | | | | | |
| 4th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 7th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 9th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10th | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G.T.L | 200 | 200 | | | | | | | | | | | | 5 | 4 | | | | | | | | | | | | | | | | | | | | | | |

Supervisor / Line Chief: _____ Floor Incharge: _____ Q.C Incharge: _____ IS Officer: _____ Factory Manager: _____

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Fig 3.18: Sewing Hourly Production Data (Day-18)

Date: 26.11.19

Line No: 03

Buyer: Kaufland

Ref No: 520/545

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Check Qty | 82 | 93 | 84 | 94 | 78 | 72 | 78 | 82 | 72 | 103 | 837 |
| Ok Qty | 80 | 90 | 80 | 90 | 75 | 70 | 75 | 80 | 70 | 100 | 810 |
| Skip/Drop | | | | | | | 1 | | | 1 | 2 |
| Broken stitch | | | | | | | | | | 1 | 1 |
| Raw Edge | | | | | | 1 | | 1 | 1 | | 3 |
| Open seam | | | | | | | | | 1 | | 1 |
| Open Tack | | 2 | 2 | 2 | 2 | | | | | | 8 |
| Label Mistake | | 1 | | | 1 | | 2 | | 1 | | 5 |
| Without label/Accessories | 2 | | | 2 | | | | | | | 4 |
| Collar band uneven | | | | | | | | 1 | | | 1 |
| Pleate | | | | | | 1 | | | | 1 | 2 |
| Dirty spot | | | 3 | | | | | | | | 3 |
| Total Defects | 2 | 3 | 5 | 4 | 3 | 2 | 3 | 2 | 3 | 2 | 29 |
| Total Defective Pcs | 2 | 3 | 4 | 4 | 3 | 2 | 3 | 2 | 2 | 2 | 27 |
| DHU | 2.43 | 3.22 | 5.95 | 4.25 | 3.84 | 2.77 | 3.84 | 2.43 | 4.16 | 1.94 | 3.46 |
| Fabric | 1 | | | | | 1 | | | | | 2 |
| Signature | | | | | | | | | | | |

DAY 19:

Mondol Knit Tex Ltd.
Nayapara, Kashipur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date : 27.11.19 Line No. : 03 Buyer: Kaufland Ref No. : 520/562 Unit : 03

| No. of Check | Type of Defect | | | | | | | | | | | | | | | | | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | | | | | | | | | | | | | | | | | | |
|--------------|----------------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-------------------|-----------------|---------------|-------------------|----------------|---------------|--------------------------------|---------------------------|-----------------------------|------------|---------------|---------------------|-------------------------------|---------------|----------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|-----------|--------------|--------|---------|--------|-----------|---|--|--|--|
| | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Pickering/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lb / Print lb side | Without label/accessories | Down stitch [Unbalance Stc] | Needle Cut | | | | Loose tension | Sleeve / Lag Up-Down | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Plaste | Oil Spot | Dirty Spot | Middle Mark | Part Sade | Spot & Shade | Sewing | Cutting | Fabric | Signature | | | | |
| 1st | 77 | 75 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | 2 | 2 | 1.3 | | | | | |
| 2nd | 88 | 85 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2.3 | | | | |
| 3rd | 81 | 80 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 1.2 | | | | |
| 4th | 108 | 100 | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2.7 | | | | | |
| 5th | 103 | 100 | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | 4 | 3 | 3.6 | | | | | |
| 6th | 107 | 105 | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | 2 | 2 | 1.9 | | | | | |
| 7th | 103 | 100 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2.9 | | | | | |
| 8th | 77 | 75 | | 1 | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | 3 | 2 | 2.6 | | | | | |
| 9th | 88 | 85 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3.4 | | | | | |
| 10th | 104 | 100 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 3.8 | | 1 | | | |
| G.TTL | 930 | 905 | 4 | 3 | 1 | 1 | 4 | | | | | | 2 | 4 | 4 | 2 | | | | | | | | | | | | | | | | | 29 | 24 | 5.1 | | 2 | | | | |

Supervisor / Line Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] IS Officer: [Signature] Factory Manager: [Signature]

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Fig 3.19: Sewing Hourly Production Data (Day-19)

Date: 27.11.19 Line No: 03 Buyer: Kaufland Ref No: 520/562 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| CheckQty | 77 | 88 | 81 | 108 | 103 | 107 | 103 | 77 | 88 | 104 | 930 |
| Ok Qty | 75 | 85 | 80 | 100 | 100 | 105 | 100 | 75 | 85 | 100 | 905 |
| Skip/Drop | | 2 | 1 | | | | 1 | | | | 4 |
| Broken stitch | | | | 1 | | | | 1 | 1 | | 3 |
| Raw Edge | | | 1 | | | | | | | | 1 |
| Open Tack | | | | | | | | | 2 | 2 | 4 |
| Four point updown | | | | | | | | | | 2 | 2 |
| Label Mistake | 1 | | | 1 | | | | | | | 2 |

| | | | | | | | | | | | |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Size/Main lbl/Print lbl | 1 | | | | 2 | | | 1 | | | 4 |
| Without label/Accessories | | 1 | | | | 1 | 2 | | | | 4 |
| Down stitch | | | | | 1 | 1 | | | | | 2 |
| Collar band uneven | | | | | | | | 1 | | | 1 |
| Dirty Spot | | | | | 1 | | | | | | 1 |
| Total Defects | 2 | 3 | 2 | 3 | 4 | 2 | 3 | 3 | 3 | 4 | 29 |
| Total Defective Pcs | 2 | 2 | 1 | 3 | 3 | 2 | 3 | 2 | 3 | 4 | 24 |
| DHU | 2.59 | 3.44 | 2.46 | 2.91 | 3.88 | 1.86 | 2.91 | 3.89 | 3.40 | 3.84 | 3.11 |
| Sewing | | 1 | | | | | | | | 1 | 2 |
| Signature | | | | | | | | | | | |

DAY 20:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 28.11.19 Line No.: 03 Buyer: Kaufband Ref No.: 620/557 Unit: 09

| No. of Check | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Paking/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main lbl / Print lbl side | Without label/Accessories | Down stitch (Unbalance Stg) | Needle Cut | Loose tension | Sleeve / Leg Up-Down | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleate | Oil Spot | Dirty Spot | Middle Mark | Part Side | Spot & Shade | | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | |
|--------------|-----------|--------|-------------|---------------|----------|-----------|-----------|-------------------|----------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|------------|---------------|----------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|-----------|--------------|------|---------------|---------------------|-------------------------------|--------|---------|--------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Sewing | Cutting | Fabric |
| 1st | 50 | 50 | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 5.0 | | | | |
| 2nd | 50 | 50 | | 1 | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | 3 | 3 | 6.0 | | | | |
| 3rd | 50 | 50 | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | 2 | 2 | 4.0 | | | | | |
| 4th | 50 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 11 | 22.0 | | | | | |
| 5th | 50 | 50 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4.0 | | | | | |
| 6th | 50 | 50 | | | | | | 11 | | | | | | | 1 | | | | | | | | | | | | | | | 3 | 3 | 6.0 | | | | | |
| 7th | 50 | 50 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 3 | 3 | 6.0 | | | | | |
| 8th | 50 | 50 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4.0 | | | | | | |
| 9th | 50 | 50 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 6.0 | | | | | |
| 10th | 50 | 50 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 8.0 | | | | | |
| G.T.L | 500 | 500 | | 2 | 5 | | | 2 | 2 | | | | | 2 | | | | | | | | | | | | | | | 8 | 8 | 16.0 | | | | | | |

Supervisor / Line Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] IE Officer: [Signature] Factory Manager: [Signature]

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Fig 3.20: Sewing Hourly Production Data (Day-20)

Date: 28.11.19

Line No: 03

Buyer: Kaufland

Ref No: 520/557

Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|------------------------------|------|------|------|-----|------|------|------|------|------|------|-------|
| Check Qty | 52 | 53 | 77 | Nil | 52 | 73 | 78 | 77 | 78 | 104 | 844 |
| Ok Qty | 50 | 50 | 75 | Nil | 50 | 70 | 75 | 75 | 75 | 100 | 820 |
| Skip/Drop | | | | | | | | 1 | | 1 | 2 |
| Broken stitch | | 1 | | | 1 | | | | 1 | | 3 |
| Open seam | | | | | | 2 | | | | | 2 |
| Open tack | 2 | | | | | | | | | | 2 |
| Uncute thread | | | 1 | | | | | | | | 1 |
| Uneven placket | | | 1 | | | | | | | | 1 |
| Label miatake | | | | | 1 | 1 | | | | | 2 |
| Size/main lbl/print lbl side | | 1 | | | | | | | | | 1 |
| Without label/Accessories | | | | | | | 1 | | | | 1 |
| Down stitch | | 1 | | | | | | | | | 1 |
| Pleate | | | | | | | 2 | 1 | 2 | 3 | 8 |
| Total Defects | 2 | 3 | 2 | Nil | 2 | 3 | 3 | 2 | 3 | 4 | 24 |
| Total Defective Pcs | 2 | 3 | 2 | | 2 | 3 | 3 | 2 | 3 | 4 | 24 |
| DHU | 3.84 | 5.66 | 2.59 | | 3.84 | 4.10 | 3.84 | 2.59 | 3.84 | 3.84 | 3.72 |
| Signature | | | | | | | | | | | |

DAY 21:

Mondol Knit Tex Ltd.
Nayapara, Kashimpur, Gazipur.
Daily Quality Inspection Report (Sewing)

Date: 30.11.19 Line No.: 03 Buyer: Kaufland Ref No.: 520/562 Unit: 03

| Hour | Check Qty | OK Qty | Skip / Drop | Broken Stitch | Raw Edge | Open Seam | Open Tack | Four point Updown | Packing/Sharing | Uneven Hem/Cuff | Uncute thread | Uneven Neck / Rib | Uneven Placket | Label Mistake | Size / Main Ibi / Print Ibi side | Without label/Accessories | Down stitch [Unbalance Stg] | Needle Cut | Loose tension | Sleeve / Leg Up-Down | Stripe Up-Down | Side Band Up-Down | Side / Shoulder Uneven | Collar band Uneven | Pleats | Oil Spot | Dirty Spot | Middle Mark | Part Sds | Spot & Shade | Total Defects | Total Defective Pcs | DHU [Defect Per Hundred Unit] | Reject | | | Signature |
|-------|-----------|--------|-------------|---------------|----------|-----------|-----------|-------------------|-----------------|-----------------|---------------|-------------------|----------------|---------------|----------------------------------|---------------------------|-----------------------------|------------|---------------|----------------------|----------------|-------------------|------------------------|--------------------|--------|----------|------------|-------------|----------|--------------|---------------|---------------------|-------------------------------|--------|---------|--------|-----------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Sewing | Cutting | Fabric | |
| 1st | 78 | 75 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3.9 | | | | | | |
| 2nd | 77 | 75 | | | | | 11 | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.6 | | | | | | |
| 3rd | 52 | 50 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 3.8 | | | | | | |
| 4th | 104 | 100 | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | 4 | 4 | 3.8 | | | 1 | A | | |
| 5th | 103 | 100 | | | | | 11 | | | | | | | | | 1 | | | | | | | | | | | | | 4 | 3 | 2.9 | | | | A | | |
| 6th | 103 | 100 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2.9 | | | | A | | |
| 7th | 77 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.6 | | | | A | | |
| 8th | 52 | 50 | 1 | | | | | | | | | | | | | | | | | | | | | | 11 | | | | 3 | 2 | 3.8 | | | 1 | A | | |
| 9th | 103 | 100 | | | 111 | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 2.9 | | | | A | | |
| 10th | 103 | 100 | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | 4 | 3 | 3.7 | | | | A | | |
| G.TTL | 852 | 825 | 6 | 4 | 1 | | 8 | 2 | | | | | | | 1 | 4 | | | | | | | | | 2 | 2 | | 80 | 80 | 9.4 | | | | 2 | A | | |

Supervisor / Line Chief: [Signature] Floor Incharge: [Signature] Q.C Incharge: [Signature] IE Officer: [Signature] Factory Manager: [Signature]

Scanned by CamScanner

Fig 3.21: Sewing Hourly Production Data (Day-21)

Date: 30.11.19 Line No: 03 Buyer: Kaufland Ref No: 520/562 Unit: 03

| No. Of Check | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | G.TTL |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|
| Check Qty | 78 | 77 | 52 | 104 | 103 | 103 | 77 | 52 | 103 | 103 | 852 |
| Ok Qty | 75 | 75 | 50 | 100 | 100 | 100 | 75 | 50 | 100 | 100 | 825 |
| Skip/Drop | | | 1 | | | 2 | 1 | 1 | | 1 | 6 |
| Broken stitch | 1 | | | | | | | | 3 | | 4 |
| Raw Edge | | | | 1 | | | | | | | 1 |
| Open tack | 1 | 2 | | | 3 | 1 | 1 | | | | 8 |
| Four point updown | | | | | | | | | | 2 | 2 |
| Without label/Accessories | | | | 1 | | | | | | | |

| | | | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|
| Down stitch | 1 | | | 1 | 1 | | | | | 1 | 4 |
| Pleat | | | | | | | | 2 | | | 2 |
| Oil Spot | | | 1 | 1 | | | | | | | 2 |
| Total Defects | 3 | 2 | 2 | 4 | 4 | 3 | 2 | 3 | 3 | 4 | 30 |
| Total Defective Pcs | 3 | 2 | 2 | 4 | 3 | 3 | 2 | 2 | 3 | 3 | 29 |
| DHU | 3.84 | 2.59 | 3.84 | 3.84 | 3.88 | 2.91 | 2.59 | 5.76 | 2.91 | 3.88 | 3.52 |
| Fabric | | | | 1 | | | | 1 | | | 2 |
| Signature | | | | | | | | | | | |

3.2 Sewing garment Inspection report summary (21days)

| Date | Buyer | Ref No | Check Qty | Ok Qty | Skip/Drop | Broken stitch | Raw Edge | Open seam/Open tack | Dirty/Oil spot | Label mistake/Accessories | Four point/strip up down | Down stitch/pleate | Uneven placket/collar | Uncute thread | Niddle mark | Total |
|--------------|--------------------|-------------|-----------|--------|-----------|---------------|----------|---------------------|----------------|---------------------------|--------------------------|--------------------|-----------------------|---------------|-------------|-------------|
| 02.1 1.19 | ETA M | 630/ 295 | 947 | 925 | | 01 | 01 | 05 | 04 | 05 | 05 | 03 | 02 | | | 26(2.74%) |
| 04.1 1.19 | Per ry Ellis | 445/ 660 | 530 | 386 | | 01 | 01 | | | 10 | 84 | 48 | | | | 144(27.16%) |
| 05.1 1.19 | Per ry Ellis | 445/ 660 | 422 | 395 | 02 | 01 | 02 | 02 | 02 | 05 | 12 | 01 | 02 | | | 29(6.87%) |
| 06.1 1.19 | Per ry Ellis | 445/ 660 | 466 | 424 | | 06 | 01 | | 04 | 14 | 06 | 03 | | 01 | 07 | 42(9.01%) |
| 07.1 1.19 | Per ry Ellis | 445/ 660 | 545 | 510 | 02 | 05 | 03 | 06 | | 04 | 11 | 03 | | 02 | 01 | 37(6.78%) |
| 11.1 1.19 | Eta m | 630/ 295 | 375 | 358 | | 01 | 03 | | 02 | 03 | 02 | 01 | | 05 | 01 | 18(4.8%) |
| 12.1 1.19 | Kau flan d | 520/ 550 | 711 | 680 | 07 | 07 | 07 | | 09 | 03 | | 01 | | | | 34(4.78%) |
| 13.1 1.19 | Kau flan d | 520/ 550 | 876 | 845 | 02 | 11 | 03 | 03 | 01 | | 14 | | | 01 | | 35(3.99%) |

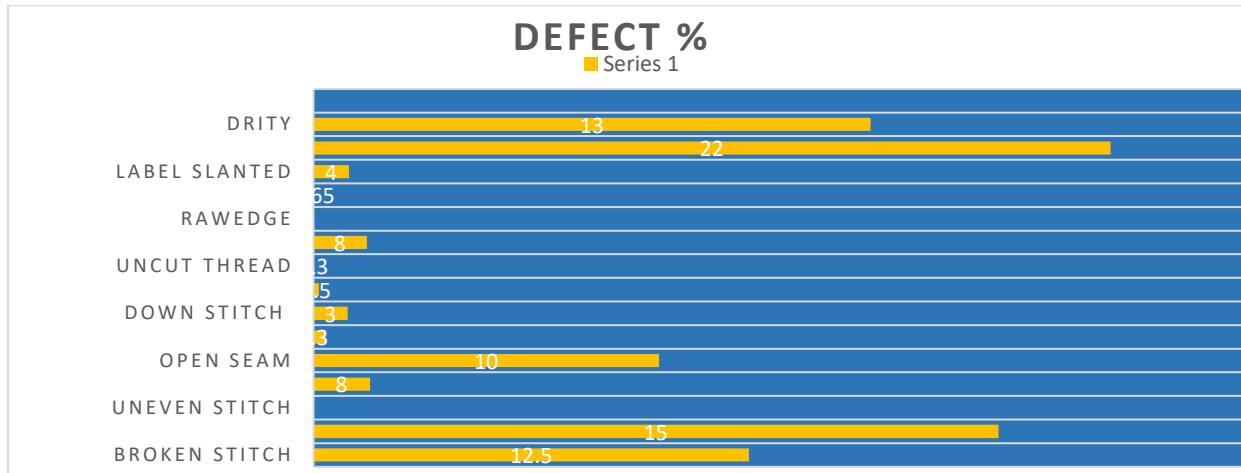
| | | | | | | | | | | | | | | | | |
|--------------|------------------------------------|------------------------------|-----|-----|----|----|----|----|----|----|----|----|----|----|--|-----------|
| 14.1 1.19 | Kau fland | 520/ 550 | 960 | 930 | 03 | 05 | | 08 | 05 | 03 | 07 | 02 | | | | 33(3.43%) |
| 16.1 1.19 | Kau fland | 520/ 550 | 339 | 317 | 03 | 05 | | 04 | 03 | 02 | | 05 | | | | 22(6.48%) |
| 17.1 1.19 | Per ry Ellis | 445/ 673 | 327 | 306 | 01 | | | | 03 | 07 | 04 | 04 | | 02 | | 21(6.42%) |
| 18.1 1.19 | Per ry Ellis | 445/ 673 | 384 | 364 | 05 | 04 | 01 | 03 | | | 03 | 04 | | | | 20(5.20%) |
| 20.1 1.19 | Kau fland | 520/ 545 | 595 | 575 | 04 | 03 | 01 | | 11 | 01 | | | | | | 20(3.36%) |
| 21.1 1.19 | Kau fland | 520/ 545 | 742 | 718 | 09 | 03 | 01 | 02 | | 03 | | 06 | | | | 24(3.23%) |
| 23.1 1.19 | Kau fland | 520/ 545 | 796 | 773 | 04 | | | 11 | 01 | 05 | | 01 | | 02 | | 24(3.01%) |
| 24.1 1.19 | Kau fland | 520/ 545 | 760 | 725 | 03 | 03 | 02 | 06 | | 02 | | 03 | 09 | | | 28(3.68) |
| 25.1 1.19 | Car ref our /Ka ufland | 350/ 1021 /520 /545 | 512 | 490 | | 02 | | 11 | | 02 | | | 03 | 04 | | 22(4.29%) |

| | | | | | | | | | | | | | | | | |
|--------------|------------------|-------------|-------|-------|--------|---------|--------|-----------|--------|---------|----------|----------|--------|--------|---------|------------|
| 26.1 1.19 | Kau flan d | 520/ 545 | 837 | 808 | 02 | 01 | 03 | 09 | 05 | 09 | | 01 | | | | 29(3.46%) |
| 27.1 1.19 | Kau flan d | 520/ 562 | 930 | 901 | 04 | 03 | 01 | 05 | 01 | 10 | 02 | 02 | 01 | | | 29(3.11%) |
| 28.1 1.19 | Kau flan d | 520/ 557 | 844 | 820 | 02 | 03 | | 04 | | 04 | | 09 | 01 | 01 | | 24(2.84%) |
| 30.1 1.19 | Kau flan d | 520/ 562 | 852 | 825 | 06 | 04 | 01 | 08 | 02 | 01 | 02 | 06 | | | | 30(3.52%) |
| Total | | | 13750 | 13059 | 59(8%) | 69(10%) | 31(4%) | 87(12.5%) | 53(8%) | 93(13%) | 152(22%) | 103(15%) | 18(3%) | 18(3%) | 9(1.5%) | 691(5.02%) |

CHAPTER-4: RESULTS OF DISCUSSION

4.1 Sewing Section Result:-

In sewing section different types of reasons are found for sewing defects. So, we have analyzed the result. The calculated result is-



4.2 Sewing 6 Major Defects:

- Four Point= 22%
- Down Stitch= 15%
- Label Mistake = 13%
- Open seam= 12.5%
- Broken Stitch= 10%
- Dirty/Oil Spot= 8%

Major Sewing defects in garments:

Can result in the product's failure, reducing marketability, usability.

Four Point Updown= (22%): Four-point system is quality control system



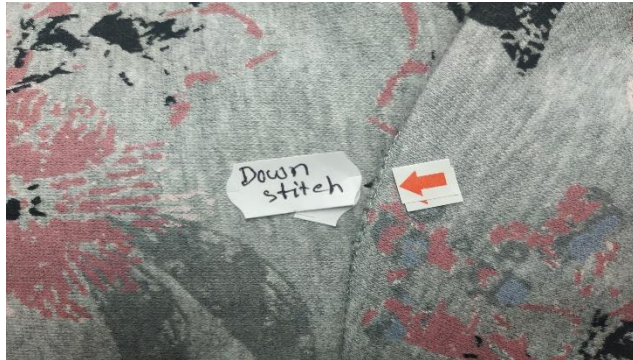
Causes:

Common Defects of Fabrics during manufacturing process includes back fabric seam impression, birds eye, bowing, broken colour pattern, colour out, colour smears, crease mark, drop stitching, dye streak in printing, hole, jerk in, knots, mixed yarn, mottled, needle line, open reed, pin holes, press off etc.

Remedies:

- Provide on-the-job training to workers.
- Plan an ongoing program for machine maintenance.
- Inspection of all incoming fabrics.
- Analyses inspection report data to identify sources of quality problems.

Down Stitch=15%: Wherthe fasten shaping misses' proper sewing bearing and crease tumble from texture.



Causes:

- Insincerely work
- Unadjustment of feed hound

Remedies:

- Sewing administrators must have right material taking care of methods.
- Make beyond any doubt the examples/control have been planned legitimately.
- Use perfect crease development.
- Should be work superbly.
- Feed hound modification accurately

Label Mistake= 13%: Label is a tag that gives a description of the performance inherent in a fabric for the purpose of aiding the consumer in selection.



Causes:

- Insincerely work
- A wrong procedure utilized by the specialist.

Remedies:

- Worker training.
- Proper handling of the parts of garments.

Open Seam= 12.5%:Open creases are both outwardly unappealing and debilitate the uprightness of the article of clothing creases.



Causes:

- Because of poor collapsing.
- A wrong procedure utilized by the specialist.

- This occurs because of ill-advised treatment of the parts of pieces of clothing, ill-advised setting and timing among needle and looped or snare and so on.

Remedies:

- Pattern needs to be correct
- Clear markings for stitch line
- Good quality or D-core thread should be used
- Proper setting and timing between needle and looped or hook.
- Worker training
- Threading, SPI and backtrack settings should be checked often
- Proper handling of the parts of garments
- Tension should be quantifiable
- Feed dog and hook set timing should be checked periodically

Broken Stitch= 10%: When a stitch is broken in a seam line.



Causes:

- It shows up because of inappropriate trimming or machine utilization.
- Thread caught at the string guide.

Remedies:

- Needle plate, presser foot and feed pooch ought to be checked intermittently for harms.
- Proper machine use.
- Tension and threading ought not to be fiddled with much.
- Washing parameters ought to be entirely pursued.
- Proper trimming.
- Good quality or D-center string ought to be utilized.
- Needle string texture mix should be all around judged.
- Needle arrangement ought to be correct.

Dirty/Oil spot=8%: Oil recolor with residue clung to surface which makes the stains increasingly conspicuous.



Causes:

- Lubricant oil utilized in machine parts.
- Unclean parts utilized.
- Open hand dust.
- Natural dust.

Remedies:

- Should be utilized deformity free machine.
- Lubricating ought to be utilized property.
- Operator must be spotless and utilize hand gloves.
- Proper support of machine.
- Proper cleaning of machine.

CHAPTER-5: CONCLUSION

Conclusion:

Quality control assumes a crucial job in sew articles of clothing generation. These days purchaser requires explicit quality in every single real piece of the completed items. Recognizable proof of deficiencies amid creation of weaved texture is vital for enhanced quality and profitability. This paper is finished up as-

- In sewing section of sample total defects are found 691 pcs, total QC passed is 13750 pcs and defect percentage is found 5.02% for 21 days.

Bangladeshi articles of clothing ventures have the ease work, yet they couldn't make the most astounding benefit due to not actualizing new procedures, for example, lean, 5-S, DHU, Six Sigma, TQM, Traffic Light System for quality control. In present day aggressive market execution of current quality control devices or persistent enhancement is severely required.



Faculty of Engineering

Department of Textile Engineering

REPORT ON

“Study on quality problem in polo shirt production with their remedies”

Course Title: Project (Thesis)

Course Code: TE 4214

Submitted By

Md.Mominur Islam ID: 163-23-4798

Supervised By

Mr. Md Abdullah Al Mamun
Assistant professor

A thesis submitted in partial fulfillment of the requirements for the degree of

Match Overview

32%

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