



PROFILE

TAIPEI BANGLA FABRICS LTD.

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TAIPEI BANGLA FABRICS LIMITED

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Introduction:

- Taipei Bangla Fabrics Ltd. is one of the biggest mills in Bangladesh producing 100% export oriented polar fleece fabrics, Knit Fabrics, Yarn dyeing & garments Dyeing fabric manufacturing & washing industry in Bangladesh. Committed to philanthropy and socio-environmental development, Taipei Bangla Fabrics Limited is a multi-faceted organization, providing an array of fabrics for the textile and apparel industries. Within 3 years of establishment, the Group has created several benchmarks and established milestones in its business acquisition.

Taipei Bangla Fabrics Ltd. is considered as one of the largest composite textile mills in the country. The whole factory is comprised of Yarn Dyeing Unit, Fabrics Dyeing Unit, Knitting Unit & Garments Dyeing, and Washing Unit. The manufacturing facilities have been designed to produce high-quality fabrics by using modern machinery with long experience expert technicians considering the huge demand for quality fabrics in the RMG sector of Bangladesh. Taipei Bangla is considered as the biggest fabric company in Bangladesh made from local investment.



Taipei Bangla Fabrics Ltd. follows a strict ethical code of conduct in its business operations. It also follows the labor law, labor rules, and local & international compliance issues carefully. The fabrics are exported to various countries which includes USA, UK, Argentina, Australia, Brazil, Belgium, China, Cambodia, Colombia, Croatia, Dominican Republic, Dubai, El Salvador, Egypt, Germany, Hong Kong, Honduras, Indonesia, Italy, Iran, Israel, Japan , Korea, Lithuania, Latvia, Mauritius, Morocco, Madagascar, Portugal, Poland, Philippines, Pakistan, Peru, Russia, Spain, South Africa, Sri Lanka, Tunisia, Turkey, Thailand, Vietnam through different buyers.

The company initiated for the project in 2011 which came in production in 2017. The project covers around 35 acres of lands & costs value of \$60 Million/BDT 600CR. Now the company serving with customized quality fabric with almost all the major buyers who make quality products for export. Over the years, the group has been credited with several appreciation & accolades in recognition of its consistent export performance.

Vision:

- To manufacture fabrics comparable to international standards, to be customer-focused and globally competitive through better quality, latest technology, and continuous innovation.

Mission:

At Taipei we have made it our mission to be leaders as manufacturers, suppliers, and exporters of high-quality fabrics and garments across the globe utilizing the best technology, delivering quality textile products and services at the most competitive prices to sustain long-term business partnerships. We believe that the quality of the fabric is important because it feels a pleasant experience while wearing an outfit. Using of good quality of the fabric makes the cloth durable and well to do. Even after washing them the fabric remains up to date and the quality of clothes remain well.

- To manufacture world-class fabrics of outstanding quality that gives our customers a competitive advantage through superior products and value, so we can make every customer smile.
- To encourage people's ownership, empowerment and working under team structure.
- To attain the highest level of efficiency, integrity, and honesty.

Values:

- The superior quality of performance.
- Customer's satisfaction and delight.
- Concern for the environment and the community.
- Continuous Development
- To provide a safe workplace and promote healthy work habits.

Message of Managing Director:

Greetings from Taipei Bangla Fabrics Ltd.!

It is with great pleasure that I welcome you to Taipei Bangla Fabrics Ltd. Since our inception on 2011, we have been working with commitment and dedication that led us to become one of the most reliable export quality fabric manufacturers in Bangladesh.

Taipei Bangla Fabrics Ltd. always believes that directional changes in the markets must be matched with innovation. We constantly strive for better solutions, environment-friendly products & operations, quality and productivity by investing adequately in the infrastructure, technology & human resources. We work towards identifying new market trends & remain competitive. We believe, only innovations can satisfy a growing market that demands tomorrow's products today.

We have strong environment-friendly practices in place, world class ETP and WTP facilities in our factories. To ensure the most efficient use of power, we rely on the highest utilization of natural light, which has been facilitated by the modern architectural design of our Corporate Office. Along with the ongoing expansion project, we are also initiating to harvest rainwater, and reuse of heat and energy.

We are shaping our strategy to be one of the world's most valuable, innovative and admired companies. Our goal is to be an unstoppable company that creates enormous demand and value of our patrons. Taipei Bangla Fabric Ltd. is silently contributing to shaping the country's economy by generating export business & creating employment opportunity for the locality.

I sincerely thank all of our stakeholders for their continuous support and trust in us.

Sorwar Hossain
Managing Director

Message from Director:

It has been an exciting experience to witness the remarkable economic development of Bangladesh. We are lucky to live in one of the world's fastest-growing economies evidenced by our young nation's diversifying markets and infrastructure development.

Harmonizing business endeavors with benevolent efforts by being responsible to society is the principle of Taipei Bangla Fabrics Ltd. The company is always welcoming & encouraging innovation, technical expansion, new product development, creativity, automation, Process Reengineering, reforming management, & any other development initiatives.

We believe the success and growth of our business can be attributed to consistency in terms of standards and policies and to the efforts of our supportive local and international partners. Over the years, our professional belief in ethics and quality has evolved into a set of corporate standards and practices which we use as our benchmark for excellence.

This attitude of providing the highest level of quality in all of our endeavors has paid-off at every step of the way. Today, we pride ourselves on being a trustworthy Fabric Manufacturing Company in Bangladesh and beyond.

Rehana Hossain
Director

Message from Deputy Managing Director:

In our business, we must keep our commitment to deliver quality fabrics to the customers on specific time by ensuring the best quality on a regular basis. We rely on dependable service from suppliers like you to help us keep our schedule and satisfy our Buyers with good quality and timely deliveries. We want you to know that we appreciate your efforts and look forward to continuing our business relationship.

Our quest is to become the most admired group to all of our stakeholders i.e., Customers, Employees, Shareholders and Society at large. We seek quantum growth to lead in the International market and enhance our international presence by encouraging Innovation and Nurturing Intellectual Processing.

We will be always conscious of the path we take to ensure the highest ethical and moral compliance even as we remain totally focused on our goals.

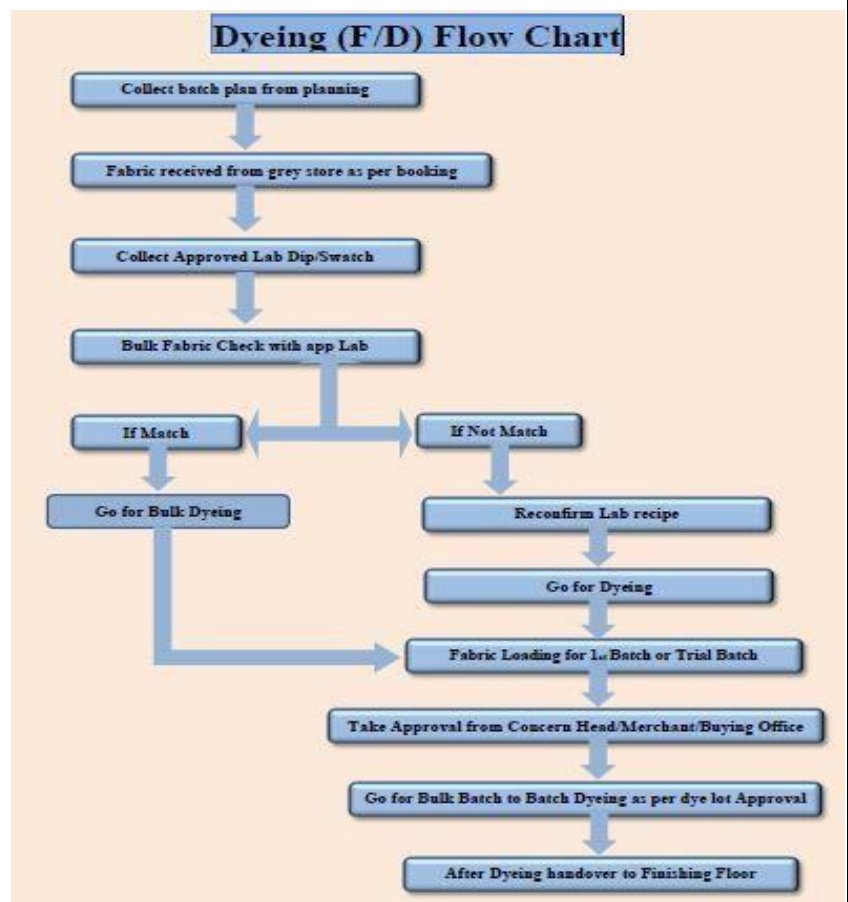
Usama Sorwar
Deputy Managing Director

Our Production Units:

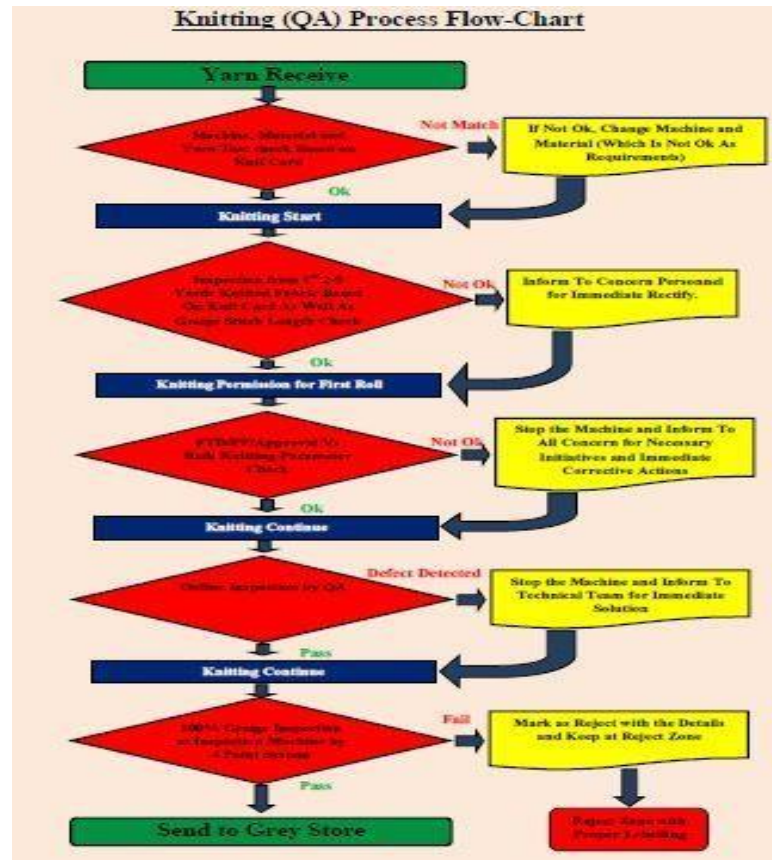
- **Yarn Dyeing Unit:**

Yarn dyeing is slightly different from woven or knit dyeing. Dyed yarns are used for making stripe knit or woven fabrics or solid dyed yarn fabric or in sweater manufacturing. Yarns are dyed in package form or hank form by yarn dyeing process. Dyeing Process can vary depending on the individual procedure of a textile engineer or a dyeingmaster.

- **Fabrics Dyeing Unit:** Natural fibers—such as cotton, linen, silk, and wool uptake dye much better than synthetics do. Dyeing is as much an art as a science, so don't hesitate to experiment. For example, we like combining liquid dyes to come up with our own colors. Modify this technique for items other than fabric, immersing them in the dye and taking note of how each item takes the color. Dyeing process flow chart has been illustrated on the right:



- Knitting Unit:** In the knitting method, yarn is manipulated to create a textile or fabric, often used in many types of garments. Knitting creates multiple loops of yarn, called stitches, in a line or tube. Knitting has multiple active stitches on the needle at one time. Knitted fabric consists of a number of consecutive rows of intermeshing of loops. As each row progresses, a newly created loop is pulled through one or more loops from the prior row, placed on the gaining needle, and the loops from the prior row are then pulled off the other needle. A typical flow chart of knitting is shown on the right:



Production Capacity:

- Fabrics Dyeing – Polar Fleece, Micro Fleece, C.V.C. and P.C. Fleece – 30 Ton/ Day
- Yarn Dyeing – 6 Ton/ Day
- Knitting – 20Ton/Day
- Brushing/Shearing- Micro Fleece 16 Ton/Day
- CVC Fleece 24 Ton/Day
- Finishing – 54Ton/Day



Total Employees:
a. Office Staff: 60
b. Dyeing: 170
c. Knitting: 70
d. Yarn Dyeing: 50
e. Dhaka Office: 20
f. Others: 90

Fabric Dyeing Machine:

No of Machine: 26 (Wuxi Tiandong, Tong Geng, Fongs-FC28)

Yarn Dyeing Machine:

- **No of machine:** 14 (Tiandong & Gofront)



Soft Winding Machine:

- **No of machine:** 06 (600 Spindle), HWA, Taiwan
- **Capacity:** 6 ton/day

Random Winding Machine:

- **No of machine:** 07 (780 Spindle), HWA, Taiwan
- **Capacity:** 6 ton/day

Hydro Extractor:

- 02 (STALAM+DETTIN), Italy

RF Dryer:

- 02 (STALAM), Italy

Laboratory:

Our laboratory is Equipped with the most modern and state of the art machinery and equipment's.

- Spectrophotometer: 01 (X-rite) , Taiwan
- Auto Dispensing m/c: 01 (Co power), Taiwan
- Lab matching: 04 (Rapid IR), China

Knitting:

- 22 Units of Single Jersey Tarey Machines (San Da Taiwan Brand)
- 35 Units of Micro Fleece/ Polar Fleece/Valour Machines (San Da Taiwan Brand)
- 20 Units of 3 Thread Fleece/2 Thread Fleece/CVC Fleece/Heavy Jersey (San Da Taiwan Brand).

Dry Finishing:

- One Unit of Dryer Machine (Hung JYI Brand, Made in Taiwan) with 10 ton capacity/day.
- 4 Units of Stanter Machine (Hsing Hao Enterprise Co. Ltd.) with 54 ton capacity/day.
- One Unit of Compacting Machine (ASISUN MACHINERY CO. LTD. Made in Taiwan) with 15 ton capacity/day
- One Unit of Auto Checker (Suntech Textile Machinery, Made in China).

Tumble Machine:

- No of machine: 14, Uniapex International Ltd., Made In Taiwan
Capacity 14000 Kg/day

FOLDING M/C:

- No of machine: 1 Set, Uniapex International Ltd., Made In Taiwan
Capacity 20000 Kg/day

Different Policies:

The entire system of Taipei Bangla Fabric Ltd is operated under certain SLA, SOP, Policies, and Rules & Regulations. All the activities documented properly. It has also created a knowledge sharing platform for all through training culture.

The company has its quality management system (QMS) policy to comply with the requirement of ISO 9001 in every phase of manufacturing and Quality assurance. The implementation of the policies is reviewed from time to time through internal & external auditing.

There is an organogram set in the organization which assures perfect implementation of every command from top to bottom. Each has a specific task, reporting channel which assures functional excellence. The company has also implemented a software system for bringing better internal control. Taipei Bangla Fabrics Ltd. undertakes appropriate review, evaluations and performance measurement of its operation to ensure compliance with the quality policy and continual improvement of the Quality Management System.

Here are some of the undertaken policies:

- Employment Policy
- Forced Labor Policy
- Child Labor Policy
- Working Hour & Leave Management Policy
- Environment, Health & Safety Policy
- No Discrimination Policy
- Harassment & Abuse Inhibition Policy
- Grievance Handling Policy
- Maternity Leave & Benefit Policy
- Store & Inventory Management Policy
- Standard Operating Procedure
- Quality Control Policy
- Logistics Policy
- Security Policy
- Hazard Management Policy
- Vendor Evaluation Policy
- External Visitors' Policy
- Filing & Documentation Policy
- Supply Chain Management Policy
- Internal Control Policy

Quality Issues Handling:

Taipei Bangla Fabrics Ltd. stands for perpetual efforts. We are approaching to run an organization that supports the concept of continuous improvement, a long-term approach to work that systematically seeks to achieve small, incremental changes in processes in order to improve efficiency and quality. We apply the **DMAIC** (Define, Measure, Analyze, Improve, and Control) methodology, measure current performance to identify projects and root causes of issues, generate and implement solutions with real-life applications on various industry case studies. Our philosophy is to never stand still or never slow down the process. We have developed a skilled team with **CANDO** attitude to serve the best to our clients.

Sustainability:

A lot of people are talking about sustainability nowadays; we have also given sustainability the highest priority to safeguarding of nature & keeping ecological balance. The factory & surroundings are made in such a way so that the whole operation can be done without any environmental damage. Taipei Bangla Fabrics Limited is considered as the State of Art for Technology, Environmental peace & Quality Issues.

We consider our vendors as business partner & developed Service Level Agreement with them to give them a priority. We consider our customer as the King & serve them exactly the product or service they look for.

Taipei Bangla Fabrics Limited is a friendly place to work where anyone can come up with a new idea & always welcomed. We consider the whole organization & the entire manpower as one team with one goal. We set our clear plan for business expansion & within 3 years of establishment, we have got huge acceptance from our clients which has made our dream even better than ever before.

Day by day we are utilizing technology & human intelligence in a balanced way with the advanced world which is growing our confidence & strengthening our efficiency. We are acting locally but expanding globally step by step with proper prior planning.

Our worth's:

- Maintaining excellent Quality Product
- Implementing Modern technology & Automation
- Assuring Customers' Satisfaction
- Eco-friendly infrastructure.

- Sound Technical Manpower
- Operational Transparency
- Step by Step Follow up
- Reporting & Documentation
- Continuous Development.

Green Technology & Environment-Friendly Process:

The major question of nowadays is how we can sustain the growth of the RMG sector and yet protect our natural resources. We are most concerned about water, air & overall environment. We are committed to our next generation and hence merging every single step keeping in mind our responsibility towards sustainability. On the process of becoming green, we run our WTP & ETP for 24/7 throughout the whole year. We are also planning to retain the rainwater & recycle the sewerage water line to ensure maximum usage of water from nature & through recycle. We also reuse Machine Cooling Water & Steam Condensate in the dyeing process as hot water to reduce the lifting of groundwater that saves energy as well.

Sustainability in RMG business operation is an evolving issue for Bangladeshi entrepreneurs after Tazreen and Rana Plaza incidents. Bangladesh RMG industry, the main catalyst for the country's economy, is blamed by the buyer for lack implementation of sustainability issues in the factories. Environmental sustainability is the most important and emerging issue at the present phase of industrialization, which is considered as a burning issue. In this regard, nowadays apparel buyers are focusing on the eco-friendly way of production. We have a plan to utilize the rooftop for rainwater storage. We do have a natural fertilizer plant to use daily bio-generated waste. At the same time, we maintain a strong waste management system.

In harmony with nature, we have the Biological Treatment and Energy Conservation program. We are always keen to implement quality development tools & techniques throughout the process. State of the art technology has been used in the ETP in our dye house for biological treatment of the waste. We also use a comprehensive energy conservation program.

This feeds back all recyclable energy into our various systems. Our investment in this program has made us energy efficient and environmentally conscious entity. We are also in the process of installing “green building” as office premises which is considered as one of the crucial parts of “Going Green” approach as it is designed in such a way that has a lot of attributes in terms of making efficient use of resources, particularly water and energy, protecting indoor health safety, minimizing surrounding negative environmental impacts & maintaining environmental amenities.

Occupational Health & Safety:

Taipei Bangla Fabrics Limited is the mane of a family where we all work together to attain the vision of the company. The company also takes care of their family members. We don't treat our family members as employees & assured equal health care for them. We have a specific policy & SOPs at the workplace. We also provide the necessary personal protective equipment to the worker. During summer, we arrange special food, saline for keeping them strong enough. We have also arranged an in-house medical facility to assure proper care at the soonest possible time for our employees.

Customers' Health Hazard Assessment:

Any cloths & RMG is made of fabric, thereby, fabric selection plays a very important role in manufacturing an RMG product. We, from Taipei Bangla Fabric Ltd., do proper testing, assessment & packing of our fabrics before making the shipment to identify any potential health, safety or environmental hazards and to ensure compliance with product safety. The assessment also considers the potential for health or environmental impact across the whole product lifecycle from product development to manufacturing.

Code of Conduct:

- **Employment Policy:** At Taipei Bangla Fabrics Ltd. Any employment, allowance or promotion of the job is considered only in the measurement of his eligibility and believes in this principle.

From the time of joining the work, an employee has been ensured on the basis of the government determined minimum wage scale and after passing eligibility criteria, he/she has been recruited as permanent.

Under the Labor Act, workers are terminated.

- **Force Labor Policy:** Taipei Bangla Fabrics Ltd does not believe in any kind of forced labor and does not employ any kind of pledged or bounden workers.
- **Child Labor Policy:** Taipei Bangla Fabrics Ltd does not support the employment of any kind of child and adolescent (if necessary, can be employed as a teenager working as per labor law and rules). For this, no worker is employed without certifying the age of them by certificates and certified doctors.
- **Working Hour Policy:** There are two shifts of eight hours each at Taipei Bangla Fabrics Ltd., which includes a maximum of two hours of overtime when required. In this case, the workers' are provided with overtime and breaks with wages (when applicable).
- **Environment, Health & Safety Policy:** Taipei Bangla Fabrics Ltd. is working according to the principles of health, safety and environment to maintain a healthy working condition. The organization has security and primary medical committees and provides free personal safety equipment and primary medical equipment. There are a trained firefighting team and adequate fire-fighting equipment and measures to ensure the organization's safety.
- **No Discrimination Policy:** Taipei Bangla Fabrics Ltd. does not discriminate on the basis of any religion, caste, clan, woman, man, married, unmarried, age, social and political ideology, etc. at work.
- **Harassment Policy:** Taipei Bangla Fabrics Ltd. has adopted the principle of zero harassment by believing in the principle of admiration and respect for every worker and employee.
- **Freedom of Association:** Since Taipei Bangla Fabrics Ltd. believes in freedom of association to meet workers' problems and needs, therefore, elected labor participation committee (WPC) is implemented in Taipei Bangla Fabrics Ltd.

At Taipei Bangla Fabrics Ltd. conducted Code of Conduct is fully respectful of labor laws and rules of Bangladesh and it always works for the welfare of everyone working in the organization.

Workers Benefits:

- Workers can avail all kinds of leave, such as medical leave, earned leave, casual leave and maternity leave with pay as per labor law.

- Dormitory facility to workers for free.
- Accommodation, food & other arrangements for the expat employees.
- Transportation facility to workers for free for company purpose.
- Additional payment for overtime & arrangement of food & organizing different events.
- Arranging training & other capacity development programs for the employees.
- Medical facilities for the employees.
- Provident fund, gratuity, insurance & other facilities.
- Arrange the Annual Cultural Program for workers refreshment.
- Ladies club for family those who are staying inside factory premises.
- Ensure Life Insurance for all employees from the date of Joining.
- Prayer room for male and female workers separately in factory and dormitory.
- Arrange a counseling program regularly for workers.

Different kind of testing of fabric and garment:

- **Color fastness test:** There are different kind of fastness in different condition some of them are Crocking, Colorfastness to light, Colorfastness to laundering, Colorfastness to perspiration, Color fastness to water, Colorfastness to sea water.
- **Construction test:** Construction of fabric is based on yarn standard and weaving quality. Following two kinds of tests are important to know the construction and characteristics of fabrics; Yarn quality and count test & Weight test.
- **Performance tests:** Dimensional changes in fabrics and snagging resistance of fabrics come under this test. It is comprised of Shrinkage / dimensional test, snagging resistance test, Abrasion resistance test & Pilling resistance.
- **Strength and stretch test:** The following kinds of tests are normally done in this category: Tear resistance, Seam slippage, Strength test, Stretch and growth test.
- In addition to all the above-mentioned tests, scope of doing Water resistance/rain test, Ultraviolet transmittance test, Azo test, Accessories tests, Subsidiary tests, pH test, Color matching tests are available in the factory.

Many of the tests, the factory can do in-house and can save time and cost. Factory may do the essential and required test as according to buyer standard or may make own standard of necessary test for maintaining quality parameter.

36 Reasons to Select Taipei Bangla Fabrics Ltd.:

1. Guaranteed the correct GSM (grams per square meter) of fabric & capable of manufacturing between light-weight, medium-weight, or heavy-weight fabric.
2. Maintaining proper Fabric Drape as mentioned by the buyer.
3. Delivering fabrics of different elasticity (Stretch) as mentioned by buyers.
4. Each season, fabric designers and mills create new color palettes, weaves & textures, fiber blends and printing techniques, lending fashion direction for the coming season.
5. Providing guideline to our clients in choosing the right fabrics for their product to achieve the desired finished product and price point.
6. Setting an affordable pricing strategy for the buyers as fabric bears almost 60% of the cost of an RMG product.
7. Bringing innovation, latest technology & automation in the production process that assures the best quality product.
8. Arranged ETP & WTP that is assuring quality bulk production without hampering the environment & health.
9. Creating prototype & finalizing with buyers before bulk production reduced error.
10. Assembled latest technology & assured follow up that improved quality as well as customers' loyalty.
11. Arranging different testing like sublimation printing, digital or wet printing processes, heat transfers, etc. before delivering products.

12. Establishing compliance, safety & security issues for the employees through welfare & governance.
13. Organizing proper packaging that keeps the fabric safe from fatigue.
14. Offering a wide range of fabrics to the buyer for selecting, submitting a proposal with a competitive rate.
15. Deployed smart & intelligent people who run the production process through shifting duty & committed to serving clients with the desired fabric within the stipulated time.
16. Nominating a dedicated professional (buyer-wise) who build rapport with the buyer & serve them accordingly.
17. Deployed foreign employees who put their expertise to serve buyers with better quality.
18. Well-equipped laboratory & arrangement of all necessary testing assures the best quality.
19. Incorporated several quality development tools & techniques (Kaizen, 5S, Lean) that ensures better inspection & resists delivering any kind of defective products.
20. All the functional operation are run with specific policies & proper documentation.
21. Automating the order processing by implementing SAP software which gave access to the buyer to know the production status.
22. Smooth logistics support throughout the country.
23. Following Standard Operating Procedure (SOP) confirms production excellence.
24. Maintaining the Service Level Agreement with the Vendors & Third Party keeps better coordination & cross-functional team works.
25. Arranging a visit for the buyers to show the Production facility.
26. Accountable for any quality issues & resolving them with proper inspection.
27. Arranging internal & external audit regularly for further development of the system & process.

28. Establishing ISO 9001 or a similar standard in the factory to assess raw materials quality control, in-process quality control and pre-shipment quality control procedures.
29. Scope of R&D activities towards innovation.
30. Assuring regular checkup & proper maintenance of the machinery to get maximum output.
31. Kept all the Certifications & licenses up to date. (e.g. business license, export license)
32. Open & continuous communication with highest ethical business practice.
33. The excellent relationship between the departments assured faster delivery.
34. Following the regulatory issues & obeying the government's rules & regulations.
35. Maintaining proper MIS to keep all the database & providing instant support to buyers.
36. An established culture of continuous learning & development.



Product List:

- 1. Polar Fleece,**
- 2. Micro Fleece,**
- 3. CVC Fleece (80%+20%), (60%+40%),**
- 4. PC Fleece (80%+20%), (60%+40%), (65%+35%), (50%+50%),**
- 5. Two Thread Terry,**
- 6. Three Thread Terry,**
- 7. Diagonal Terry,**
- 8. Melange Fleece 3%+5%+8%+10%+15%+20%+30% and more,**
- 9. CD Melange Single Jersey,**
- 10. CD Melange Fleece,**
- 11. Yarn Dyed Stripe Fleece,**
- 12. Polyester Bird Eye (Mesh),**
- 13. Polar/Micro Fleece both side and one side anti filling,**

Major Clients List:

- Columbia Sportswear
- GAB Ltd. (Gildan)
- Eurotex
- AKH Stitch Art Ltd.
- Marma Composite Ltd.
- Matrix Dresses Ltd.
- BK Fashion Wear Ltd.
- Purbasha Composite Tex. Ltd.
- Shamsheer Rezia Fashions Ltd.
- Anzir Apparels Ltd.
- Golden Refit Garments Ltd.
- Tamai Knit Fashion Ltd.
- Apollo Fashions Ltd.
- Authentic Knitwear Ltd.
- Versatile Textiles Ltd.
- Alps Apparels Ltd.
- Knit Garden Ltd.
- BP Wears Ltd.
- CSB Knit Fashion Ltd.
- Day Apparels Ltd.
- Kazi Attires Ltd.
- KDS Garments Ltd.
- Luminous Textiles Ltd.
- Mellow Fashion Ltd.
- Mercury Knit Wear Ltd.
- Seacotex Fabrics Ltd.
- Monika Apparels Ltd.
- Primordial Ltd. Timex
Garments Ltd.
- Tosy Knit Fabrics Ltd.
- Vision Apparels Ltd.
- Zaheen Knitwear Ltd.
- Tex Tech Co. Ltd.
- Cotton Line Group
- Surma Garments Ltd.
- Turag Garments Ltd.
- Inside Knit Composite Ltd.
- Dragoni Fashions Ltd.
- Mouchak Knitwear Ltd.
- STM Corporation
- TBH Fashion Tex. (BD) Ltd.
- Unitex Cotton Ltd.

Annexure:

Yarn Dyeing Machine Profile:



Figure: Yarn Dyeing Section of TBFL



- **Total dyeing capacity:** 6 ton/day
- **No of machine:** 14 (Tiandong & Gofront)

| Bulk Machine | | | |
|----------------------|-------------------------|-------------------------|-----------------|
| Machine Brand | Capacity (in KG) | Capacity (in KG) | Quantity |
| TIANDONG-Taiwan | (1000 KG-100 SPD) | 1000 | 01 |
| TIANDONG-Taiwan | (594 KG-66 SPD) | 600 | 01 |
| TIANDONG-Taiwan | (459 KG-51 SPD) | 468 | 01 |
| TIANDONG-Taiwan | (360 KG-45 SPD) | 368 | 01 |
| TIANDONG-Taiwan | (208 KG-26 SPD) | 205 | 01 |
| TIANDONG-Taiwan | (154 KG-22 SPD) | 156 | 01 |
| TIANDONG-Taiwan | (105 KG- 15 SPD) | 110 | 01 |
| TIANDONG-Taiwan | (56 KG-22 SPD) | 56 | 01 |
| TIANDONG-Taiwan | (30 KG- 05 SPD) | 30 | 01 |

| Sample Machine | | | |
|-----------------------|-------------------------|-----------------------|-----------------|
| Machine Brand | Capacity (in KG) | Capacity(inKG) | Quantity |
| TIANDONG-Taiwan | (25 KG- 05 SPD) | 25 | 01 |
| GOFront- China | (12 KG- 02 SPD) | 12 | 01 |
| GOFront- China | (12 KG- 02 SPD) | 05 | 01 |
| GOFront- China | (12 KG- 02 SPD) | 01 | 01 |
| TIANDONG-Taiwan | (25 KG- 05 SPD) | 09 | 01 |

Soft Winding Machine:



Figure: A typical Winding Machine of TBFL

- No of machine: 06 (600 Spindle), HWA, Taiwan
- Capacity: 6 ton/day

Random Winding Machine:

- No of machine: 07 (780 Spindle) , HWA, Taiwan
- Capacity 6 ton/day

Hydro Extractor:

- 02 (STALAM+DETTIN), Italy

RF Dryer: 02 (STALAM), Italy



Figure: A pictorial representation of RF Dryer



Figure: A pictorial representation of Hydro Extractor

Laboratory:

Equipped with most modern and state of the art machinery and equipment's

- Spectrophotometer: 01 (Xrite) , Taiwan
- Auto Dispensing m/c: 01 (Co power), Taiwan
- Lab matching: 04 (Rapid IR), China



Figure: A typical automatic dispensing machine at TBFL Laboratory



Knitting Profile:



Single Jersey

| Serial No | M/C Dia | Gauge | Multi Gauge | Feeder | Quantity | Brand | Origin | Remarks |
|--------------|---------|-------|--|--------|-----------|--------|--------|---------|
| 1 | 30 | 28 | 28,26,25,24,23,22,21,20,18,17,16,15,14 | 120 | 3 | SUN DA | Taiwan | |
| 2 | 30 | 24 | 28,26,25,24,23,22,21,20,18,17,16,15,14 | 120 | 2 | SUN DA | Taiwan | |
| 3 | 30 | 23 | 28,26,25,24,23,22,21,20,18,17,16,15,14 | 120 | 5 | SUN DA | Taiwan | |
| 4 | 30 | 25 | 28,26,25,24,23,22,21,20,18,17,16,15,14 | 104 | 2 | SUN DA | Taiwan | |
| 5 | 26 | 28 | 28,26,25,24,23,22,21,20,18,17,16 | 104 | 2 | SUN DA | Taiwan | |
| 6 | 26 | 24 | 28,26,25,24,23,22,21,20,18,17,16 | 104 | 4 | SUN DA | Taiwan | |
| 7 | 26 | 23 | 28,26,25,24,23,22,21,20,18,17,16 | 104 | 2 | SUN DA | Taiwan | |
| Total | | | | | 20 | | | |

Fleece Machine

| Serial No | M/C Dia | Gauge | Multi Gauge | Feeder | Quantity | Brand | Origin | Remarks |
|--------------|---------|-------|-------------|--------|-----------|----------|--------|---------|
| 1 | 30 | 19 | | 90 | 25 | SUN DA | Taiwan | |
| 2 | 30 | 20 | 19 | 90 | 5 | SUN DA | Taiwan | |
| 3 | 30 | 20 | | 90 | 4 | LONG JUN | Chaina | |
| 4 | 34 | 19 | 18 | 102 | 5 | SUN DA | Taiwan | |
| 5 | 34 | 20 | | 102 | 4 | LONG JUN | Chaina | |
| 6 | 26 | 24 | | 78 | 5 | SUN DA | Taiwan | |
| Total | | | | | 48 | | | |

Rib / Interlock

| Serial No | M/C Dia | Gauge | Multi Gauge | Feeder | Quantity | Brand | Origin | Remarks |
|-------------------------------|---------|-------|-------------|--------|-----------|----------|--------|-------------------|
| 1 | 30 | 28 | | 72 | 5 | MAHULU | Taiwan | Interlock |
| 2 | 30 | 20 | 18 | 60 | 2 | SUN DA | Taiwan | full feeder lycra |
| 3 | 42 | 18 | | 84 | 1 | LONG JUN | Chaina | full feeder lycra |
| 4 | 44 | 18 | | 88 | 1 | LONG JUN | Chaina | full feeder lycra |
| Total | | | | | 9 | | | |
| Total Knitting Machine | | | | | 77 | | | |

Circular Knitting Machine = 77 pcs
Total Knitting Quantity = 20 Ton/Day

FABRICS DYEING



DYEING MACHINE

| SERIAL NUMBER | NAME OF MACHINE | ORIGIN/BRAND | CAPACITY/DAY |
|----------------------|------------------------|--|---------------------|
| 01 | DYEING M/C 01 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 25 KG |
| 02 | DYEING M/C 02 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 25 KG |
| 03 | DYEING M/C 03 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 50 KG |
| 04 | DYEING M/C 04 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 250 KG |
| 05 | DYEING M/C 05 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 250 KG |
| 06 | DYEING M/C 06 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 250 KG |
| 07 | DYEING M/C 07 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 500 KG |
| 08 | DYEING M/C 08 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 500 KG |

| | | | |
|----|---------------|--|---------|
| 09 | DYEING M/C 09 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE INTAIWAN | 500 KG |
| 10 | DYEING M/C 10 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE INTAIWAN | 500 KG |
| 11 | DYEING M/C 11 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE INTAIWAN | 1000 KG |
| 12 | DYEING M/C 12 | WUXI TAINDONG MACHINERY MANUFACTORY CO. LTD MADE IN TAIWAN | 1000 KG |
| 13 | DYEING M/C 13 | TONG GENG. MADE IN TAIWAN | 1000 kg |
| 14 | DYEING M/C14 | TONG GENG. MADE IN TAIWAN | 1000 kg |
| 15 | DYEING M/C15 | TONG GENG. MADE IN TAIWAN | 1000 kg |
| 16 | DYEING M/C16 | TONG GENG. MADE IN TAIWAN | 1000 kg |
| 17 | DYEING M/C 17 | TONG GENG. MADE IN TAIWAN | 125kg |
| 18 | DYEING M/C 18 | TONG GENG. MADE IN TAIWAN | 1200kg |
| 19 | DYEING M/C 19 | TONG GENG. MADE IN TAIWAN | 1200kg |
| 20 | DYEING M/C 20 | FONGS-FC28. MADE IN CHAINA | 2000kg |

| | | | |
|----|---------------|-------------------------------|--------|
| 21 | DYEING M/C 21 | FONGS-FC28. MADE IN CHAINA | 1000kg |
| 22 | DYEING M/C 22 | FONGS-FC28. MADE IN CHAINA | 1000kg |
| 23 | DYEING M/C 23 | FONGS-FC28. MADE IN CHAINA | 1000kg |
| 24 | DYEING M/C 24 | FONGS-FC28. MADE IN CHAINA | 1000kg |
| 25 | SAMPLE-01 | FONGS-FC28. MADE IN CHAINA | 15KG |
| 26 | SAMPLE-02 | FONGS-28. MADE IN CHAINA | 25KG |

Fabrics Dyeing Capacity: 30 Tons/Day

WET FINISHING

| SERIAL NUMBER | NAME OF MACHINE | ORIGIN/BRAND | CAPACITY /DAY |
|---------------|-------------------------------|---|------------------|
| 01 | HYDRO MACHINE H-01 | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 250KG 10 MIN |
| 02 | HYDRO MACHINE H-02 | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 250KG 10 MIN |
| 03 | SLITTING MACHINE SL- 01 | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 10,000KG/ Day |
| 04 | TURNING MACHINE T-01 | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 6,000KG/ Day |
| 05 | SLITTING MACHINE SL-02 | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 10,000KG/ DAY |

| | | | |
|-----------|---------------------------|---------------|------------------|
| 06 | SLITTING MACHINE SL-03 | CORINO- ITALY | 15,000KG/ DAY |
| 07 | SLITTING MACHINE SL-04 | CORINO- ITALY | 15,000KG/ Day |

DRY FINISHING

| SERIAL NUMBER | MACHINE NUMBER | NAME OF MACHINE | ORIGIN/BRAND | CAPACIT/ DAY |
|---------------|----------------|--------------------|--|--------------|
| 01 | 01 | DRYER M/C | HUNG JYI MADE INTAIWAN | 10 Ton |
| 02 | ST-01 | STANTER M/C | HSING HAO ENTERPRISE CO. LTD MADE IN TAIWAN | 12 Ton |
| 03 | ST-02 | STANTER M/C | HSING HAO ENTERPRISE CO. LTD MADE IN TAIWAN | 12 Ton |
| 04 | ST-03 | STANTER M/C | Mega Star | 15 Ton |
| 05 | ST-04 | STANTER M/C | Mega Star | 15 Ton |
| 06 | COM-01 | COMPECTI NG M/C | ASISUN MACHINERY CO. LTD | 15 TON |

PACKAGING

| SL/NO. | MACHINE NUMBER | NAME OF MACHINE | ORIGIN/BRAND | CAPACIT/DAY |
|--------|----------------|-----------------|---|-------------|
| 01 | R-01 | ROLLING M/C | UNIAPEX INTERNATIONAL LTD - MADE IN TAIWAN | 25 Ton |
| 02 | R-02 | ROLLING M/C | UNIAPEX INTERNATIONAL LTD - MADE IN TAIWAN | 25 Ton |

Tumble Machine:

| SERIAL NUMBER | MACHINE NUMBER | NAME OF MACHINE | ORIGIN/BRAND | CAPACITY/DAY | REMARKS |
|---------------|----------------|-----------------|--|--------------|-------------|
| 01 | Tumble | TUMBLE M/C | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 20 Ton | 14 Machines |
| 02 | Folding-1 | FOLDING M/C | UNIAPEX INTERNATIONAL LTD MADE IN TAIWAN | 20 Ton | 1 SET |



FLEECE FINISHING

| SERIAL NUMBER | MACHINE NUMBER | NAME OF MACHINE | ORIGIN/BRAND | CAPACITY/DAY | REMARKS |
|---------------|----------------|-----------------|---------------------|--------------|---------|
| 01 | B-01 | BRUSH MACHINE | YANTU MADE INTAIWAN | | |
| 02 | B-02 | BRUSH MACHINE | YANTU MADE INTAIWAN | | |
| 03 | B-03 | BRUSH MACHINE | YANTU MADE INTAIWAN | | |
| 04 | B-04 | BRUSH MACHINE | YANTU MADE INTAIWAN | | |
| 05 | B-05 | BRUSH MACHINE | YANTU MADE INTAIWAN | | |
| 06 | B-06 | BRUSH MACHINE | YANTU MADE INTAIWAN | | |

| | | | | |
|----|-------|------------------|----------------------|--------|
| 07 | B-07 | BRUSH MACHINE | YANTU MADE INTAIWAN | |
| 08 | B-08 | BRUSH MACHINE | YANTU MADE INTAIWAN | |
| 09 | B-09 | BRUSH MACHINE | YANTU MADE INTAIWAN | |
| 10 | B-10 | BRUSH MACHINE | YANTU MADE IN TAIWAN | |
| 11 | B-11 | BRUSH MACHINE | YANTU MADE IN TAIWAN | |
| 12 | B-12 | BRUSH MACHINE | YANTU MADE IN TAIWAN | |
| 13 | C-01 | COMBIN MACHINE | YANTU MADE IN TAIWAN | 10 Ton |
| 14 | C-02 | COMBIN MACHINE | YANTU MADE IN TAIWAN | 10 Ton |
| 15 | SH-01 | SHEARING MACHINE | YANTU MADE IN TAIWAN | 15 Ton |
| 16 | SH-02 | SHEARING MACHINE | YANTU MADE IN TAIWAN | 15 Ton |

Total Brushing Machine-12Pcs (2Line)

Total Brushing capacity: Micro Fleece -16 Ton/Day

: CVC Fleece -24 Ton/Day

Utility Department:

| SERIAL NUMBER | Name of the Machine | Brand Name & Origin | Capacity (each) | Quantity | Remarks |
|---------------|---|------------------------------|------------------|----------|---------|
| 1 | SteamBoiler(Duel fuel burner) | Samho Boiler Co. Ltd., Korea | 10,000 Kg/Hr | 2 | |
| 2 | Thermal Oil Boiler (Furnace oil burner) | Samho Boiler Co. Ltd., Korea | 30,00,000 Kcl/hr | 2 | |
| 3 | Gas Generator (Duel fuel burner) | MWM, Germany | 1,500 KW/hr | 2 | |

| | | | | |
|----|--|--------------------------------------|------------------------|---|
| 4 | Sub-Station BREB supply &/or Gas Generator Control | Energypac BD. Ltd., Bangladesh | 3,000 KVA | 1 |
| 5 | Effluent Treatment Plant (100% Biological) | Osmo Corporation BD Ltd., Bangladesh | 300 m ³ /hr | 1 |
| 6 | Water Treatment Plant | Osmo Corporation BD Ltd., Bangladesh | 4 Cusec/hr | 1 |
| 7 | Air Compressor | SCR Co. Ltd., China | 10.10 m ³ | 3 |
| 8 | Diesel generator-1 | DEUTZ, UK | 400 KVA | 1 |
| 9 | Diesel generator-2 | Victory CO. Ltd., China | 50 KVA | 1 |
| 10 | Solar PowerSupply | Green Power BD Ltd., Bangladesh | 6.0 kW | 1 |
| 11 | Air Compressor | SCR Co. Ltd., China MODEL-75D | 55KW | 1 |



Figure: Complete Biological Effluent Treatment Plant 300 m³/hr

Chemical Source: 100% Imported & Locally Procured

Energy Source: Electricity (REB), Gas, Diesel Generator, Gas Generator

Steam: 2 Gas Boiler (10000Kg+10000Kg)

Water Supply: 2 Deep Tube Wells (4 Cusec capacity each)

Effluent Treatment Plant: 300 M³ / hr at Plant site (Biological)



Logistic Support : Five Covered Van and Car/Microbus

Payment Mode : L/C.

Bank : Sonali Bank Ltd, Motijheel C/A,
Dhaka, Bangladesh.

Trust Bank

Al- Arafah Islami bank



Certifications:

1. Oeko tex
2. Detox

