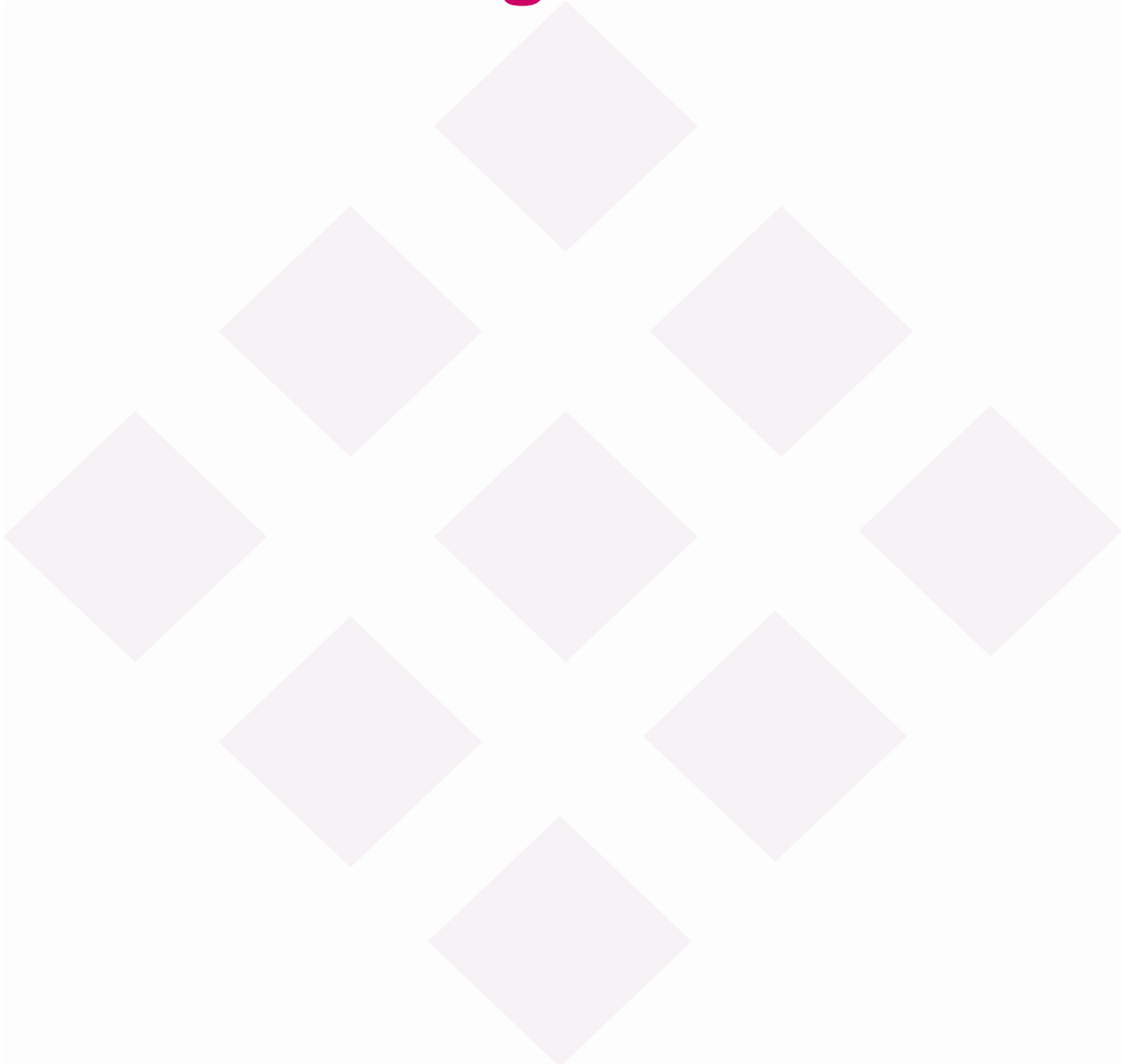


**Business Profile
of
Matrix Engineers Ltd.**



Matrix Engineers Ltd.

Introduction

Safety is the most important part in any kind of industry and facility irrespective of working types. Safety sometimes found in dialogue but not in practice, we focus on the practice of safety in workstations and in the whole facility even in daily lives.

Matrix Engineers Ltd. is a Bangladeshi based company on safety culture and serving in all premises including export-oriented apparel manufacturing factories, commercial facilities, industries premises, residential units, hospitals etc. We hope, we could make a safe environment by enhancing the awareness and practice with all stakeholders. We are committed to do so to uphold the image of industry as well as the country.

Matrix Engineers Ltd. is also focusing exclusively in high quality and cost-effective products and implementation of superior services. We are moving forward with tremendous pace and with skilled & experienced people working in the organization.

Depending on the size and field of your organization, we have different solutions and services including power generation, distribution, transformation of electrical energy, switchgears, storage systems of energy, conversion of energy especially thermal to electrical and electro-mechanical, energy management through energy quantify/audit and environmental sustainability.

We pursue for ethical business with full devotion of professionalism. We want to establish ourselves as the best choice in Safety and Technology Services, Consultancy and Development by offering the full spectrum of services.

WHO WE ARE?

It's our pleasure to share that we have a good technical team who have been engaged in safety culture from the very beginning of the commercial safety practices in Bangladesh and Pakistan. Moreover, have good working experience in the industry inspection in India, Myanmar, Pakistan, UAE & Malaysia.

Matrix Engineers Ltd. has been formed by a group of professionals having vast experience and wide exposure in safety technology. People involved here are young qualified professionals from renowned universities across the country.

All the team leaders are qualified & educated from reputed public engineering universities. The team has vast experience in industries since long in the field of audit/assessment of Fire, Electrical & Structural safety. Also have long working experience in several multinational organizations and reputed apparel brands as well as factories for installation and maintenance of electrical and firefighting machineries and equipment.

OUR MISSION:

Our Mission is to achieve outstanding reputation of quality, high standard providing reliable solution and service in the Engineering and Technological arena.

OUR VISION:

Our Vision is to achieve ultimate customer satisfaction by delivering quality service & products at an affordable cost.

VALUES:

Ethical business is our main value, in addition to that we also hold in high regard the honesty, reliability and Integrity. These values are practiced by all the members of the company which is enhancing our professionalism and efficiency.

We believe in:

- ❖ Motivation
- ❖ Collective responsibility and leadership
- ❖ Professionalism and ethics
- ❖ Adding values to our client's needs

What makes us different

- ❖ Wide Range of Experience
- ❖ Cordial Relationship
- ❖ Ethical Business

Management Team

ENGR. MD. MOZAMMEL HUQUE

B Sc. Engg., Life Fellow of IEB

Managing Director

mozammel@matrixgroup.com.bd

Cell: +880 1766 678 112.



Mr. Huque has been graduated from a reputed public university and joined in a private company in Dhaka. Then he received training from Malaysia and worked there. After that he had served in a large export-oriented factory in Dhaka. He joined in a multinational company named Bureau Veritas where he was the first Safety Assessor in Bangladesh & Pakistan. Then he was appointed by

one of the largest buying cum trading company in the world- Li & Fung. In the tenure of Li & Fung, Mr. Huque was engaged in forming national initiatives on safety for Alliance for Bangladesh Worker Safety (the Alliance) and Accord for Building and Fire Safety (the Accord) as Li & Fung was in the advisory role for both. Many of the safety regulating sessions were contributed by him and few remarkable explanations/suggestions were well recognized by the industry-safety professionals. He is well known to safety industry in particular the Accord, Alliance and RCC. He was the only reviewer of newly developed Standard and Methodology for LABS (Life and Building Safety) from apparel brands' side which is being implemented in other countries like Cambodia, Vietnam, India, Pakistan and other countries.

In his career about **22** years' experience, Mr. Huque received many trainings home and abroad on various topics and conducted huge number of on-site and off-site training sessions home and abroad including Lead Auditor course on **OHSAS 18001**. He also got the electrical supervisor certificate from the government of Bangladesh in the **category of ABC**. He got opportunities to work in India, Pakistan, Myanmar & Malaysia.

Mr. Huque has a publication on IEEE on "An experimental thermographic safety audit focusing on temperature rise vs load in electrical installations in a Bangladesh garments factory."

With 22 years of working experience, Mr. Khan was involved in various national and multinational companies. He started with Telecommunication technology and switched to United Arab Emirates (UAE) where he had received professional training on Designing of Electrical Systems. After that he joined in a multinational company named Bureau Veritas as the front liner

Safety Assessor in Bangladesh. Then he was appointed by one of the largest buying cum trading company in the world- Li & Fung. After that he served in one of the big group of companies in Bangladesh as the head of Fire Safety. Then he joined another apparel brand based in Dhaka as a lead of engineering department. He has vast knowledge as well as experienced in relevant Codes & Standards on Fire and Electrical Safety. Many of the projects have been well accomplished by himself in apparel industries.



ENGR. MD. LIAKOT ALI KHAN

B Sc. Engg, Life Fellow of IEB

Director

liakot@matrixgroup.com.bd

Cell: +880 1711 487 756.

Mr. Khan has been graduated from a reputed public university of Bangladesh. In his career, he received many trainings from home and abroad on various topics and conducted a number of on-site and off-site training sessions in apparel industries. He has been certified on **ISO 14001:2015** (Environment Management System) lead auditor and extensive Fire Safety professional program **Fire Safety Manager** course from the Fire Service and Civil Defense Authority (FSCDA). Mr. Khan also a guest trainer of SELF program of BKMEA.

Mr. Khan has a publication on IEEE on “An experimental thermographic safety audit focusing on temperature rise vs load in electrical installations in a Bangladesh garments factory.”

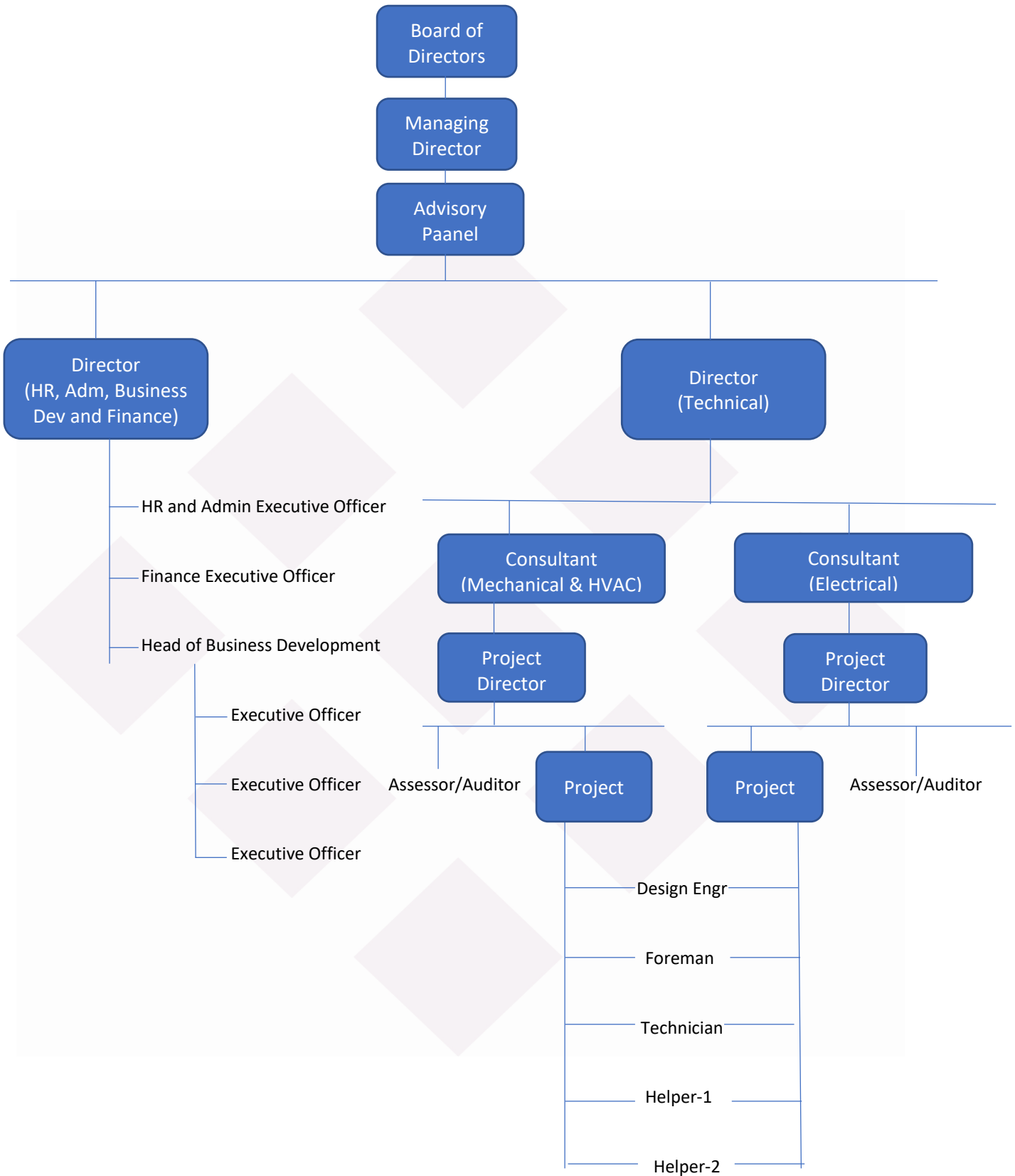
Our Advisory Panel

1. Prof. Dr. Hasan Mohammad Mostofa Afroz
Director, Institute of Energy Engineering (IEE)
Dhaka University of Engineering & Technology (DUET)
2. Engr. Md. Rafiqul Islam
Chief Engineer, PGCB (Retd.)

Our Consultant

1. Engr. Md. Abu Kashed, B.Sc. Engineering, Sr. Consultant (Mechanical)
2. Engr. Md Babu Ali Sheikh, B.Sc. Engineering, Sr. Consultant (HVAC)
3. Engr. Sk. Fazlul Haque Manir, B.Sc. Engineer, Sr. Consultant (Electrical)

Our Organogram



Our Involvements

Fire Safety:

We have remarkable hands-on experience on the Fire Safety for apparel sectors, commercial sectors and residential sector etc. following local and international applicable standards and codes. We have expertise on the Fire Safety as below:

- ❖ Strategic planning (Design, Drawing)
- ❖ Project Consultancy
- ❖ Safety Assessment
- ❖ Supply/Installation and Trouble Shooting for Central Fire Detection and Alarm System
- ❖ Supply/Installation and Trouble Shooting for Fire Protection and Hydrant System
- ❖ Compliance issues related on Fire Safety System
- ❖ Annual Service and Maintenance of fire related installations
- ❖ Sources of Supply and Installation for the products of:
 - Central Fire Detection System (CFDS)
 - Central Alarm/Alert System
 - Passive Fire Protection System:
 - ✓ Fire Doors
 - ✓ Fire Rated Lift Landing Doors
 - ✓ Fire Dampers
 - ✓ Fire Stops
 - ✓ Cable Coating etc.
 - ✓ UL Listed Gypsum Board
 - ✓ Low-Cost Solution for Making the Non-Rated Building Rated with Guarantee
 - ✓ Fire Rated Collar to Protect Fire to Penetrate Through PVC Pipes, Cable Ducts etc.
- ❖ Periodic Maintenance of Fire Safety Pumps

Electrical System:

We have vast experience in the electrical safety for apparel industries, commercial sectors and residential units etc. following local and international applicable standards and codes. We are using world renowned FLUKE brand instruments for test of Insulation resistance, measurement of Earth resistance, Thermographic survey etc. with valid calibration certificates.

We have expertise on the Electrical System and Safety as below:

- ❖ Strategic planning (Design, Drawing, Estimation etc.)
- ❖ Project Consultancy
- ❖ Safety Assessment
- ❖ Planning and Designing of Lightning Protection System (LPS)
- ❖ Solutions for Single Line Diagram (SLD)

- ❖ Solutions for Electrical Layout Diagram (ELD)
- ❖ Annual Service and Maintenance
- ❖ Sources of Supply and Installation for the products of
 - Lightning Protection System (LPS)
 - Earthing/grounding System
 - Substations equipment (HT/ LT panel, Transformer, PFI, Metering devices etc)
 - General electrical devices and fixtures (Energy efficient light sets, Switch, Sockets, Cables etc.
 - ✓ Industrial inverter
 - ✓ Electrical switchgear
 - ✓ Distribution Boards, (as per compliance)
 - ✓ Busbar Trucking (BBT) System
 - ✓ Industrial exhaust fan
 - ✓ Axial flow drum fan Safety Devices (Lock-Out Tag-Out, PPE etc.)
- ❖ Earth Resistance Test of Electrical System and Lightning Protection System
- ❖ Thermographic Scanning of Electrical equipment
- ❖ Insulation Resistance Test of Electrical Cables

Structural Safety:

We have vast experience in the structural safety for apparel industries, commercial sectors and residential units etc. following local and international applicable standards and codes. We have expertise on the structural System and Safety as below:

- ❖ Strategic planning (Design, Drawing, Estimation etc)
- ❖ Project Consultancy
- ❖ Safety Assessment
- ❖ Engineering Assessment (EA)
- ❖ Detailed Engineering Assessment (DEA)
- ❖ Retrofitting.
- ❖ Prefabricated building solution.
- ❖ Water proofing solution.
- ❖ Land & Building Development.

Energy Audit:

- ❖ Primary or Level-I Energy Audit (walkthrough audit)
- ❖ Detailed Energy Audit (Level-II)
- ❖ Investment Grade Energy Audit (Level-III)

Special Requirement for:

- ❖ Titas Gas T&D Company Limited and HIGG Index

Renewable Energy Services:

- ❖ Strategic planning (Design, Drawing, Estimation etc.)
- ❖ Project Consultancy
- ❖ Product Supply
- ❖ Installation
- ❖ Testing and Commissioning
- ❖ Performance Ratio Test/Efficiency Evaluation

Calibration Services:

We do calibration services by Accredited Labs (e.g.; BAB, ASCB etc.)

- ❖ Electrical Measuring Instruments/Tools
- ❖ Mechanical Measuring Instruments/Tools
- ❖ Thermal Instruments
- ❖ Industrial Metering Devices etc.

Authorized Distributor:

- ❖ Fluke Brand Instruments
- ❖ MEGADUCT BBT
- ❖ Fuji and Witter Elevators (with certified fire rated landing doors)

Social Compliance Solution:

We have very good sources for complete solutions for Social Compliance on:

- ❖ BSCI
- ❖ SEDEX
- ❖ WRAP
- ❖ CT-PAT
- ❖ Higg Index
- ❖ ISOs

Our Business Consortium with:

- ❖ National Testing Calibration & Inspection Ltd.
- ❖ Leverage Global Ltd.
- ❖ Benfix Elevator Limited.
- ❖ Integrated Power & Engineering
- ❖ Iota Consulting BD
- ❖ Risk and Performance Management

Some of our Valued Customers

Though very immediate after starting our business we are facing global crisis due to Covid-19 Pandemic Situation, we could serve to some of our valued customers as below:

1. 51 (Fifty-One) Govt. Hospitals across the country (Electrical and Fire Safety Audit) under UNICEF and DG Health, Bangladesh.
2. Apex Fashion Wear Ltd.
3. Apex Footwear Ltd.
4. Islami Bank Hospital Ltd. (Mirpur)
5. Islami Bank Central Hospital Ltd. (Kakrail)
6. Islami Bank Cardiac Hospital Ltd. (Mirpur)
7. Sheraton Dhaka
8. The Westin Dhaka
9. Ispahani Tea Ltd.
10. North-West Power Generation Company Limited (Unit-1)
11. Tamishna Fashion Wear Limited. (Concern of Tamishna Group)
12. Sparkle Knit Composite Ltd.
13. North-West Power Generation Company Limited (Unit-2)
14. Accenture Foot and Leather Products Ltd.
15. Taqwa Fabrics Ltd. (Concern of Lantabur Group)
16. Tamishna Synthetics Ltd. (Concern of Tamishna Group)
17. Lantabur Apparels Ltd. (Concern of Lantabur Group)
18. EMS Apparels Ltd. (Concern of Multifabs Group)
19. Seacotex Fabrics Ltd. (Concern of Seacotex Group)
20. Accenture Foot and Leather Products Ltd. (New Project)
21. Experience Clothing Ltd.
22. Hop Lun Apparels Ltd.-Unit 2
23. Envoy Fashions Ltd.
24. Harry Fashions Ltd.
25. Hop Lun Apparels Ltd.-Unit 1
26. Pacific Jeans Limited
27. Universal Jeans Ltd.
28. Alpha Clothing Ltd.
29. AR Jeans Producer Ltd.
30. Orchid Sweaters (Azim Group, Chattogram)

31. Quantum Group
32. Multifabs Limited
33. Niagara Textiles Limited
34. ZM Feed and Hatchery Limited
35. Mymensingh Agro Ltd.
36. Mymensingh Agro Ltd. (Unit 2)
37. Mymensingh Agro Ltd. (Unit 3)
38. M/S Advanced Personal Care Limited
39. Agricultural Marketing Co. Ltd.
40. Agricultural Marketing Co. Ltd. (Production-01)
41. Agricultural Marketing Co. Ltd. (Production-02)
42. Pran Agricultural Marketing Co. Ltd.
43. Pran Foods Ltd.
44. Pran Agro Ltd.
45. Natore Agro Ltd.
46. Pran Agro Business Ltd. (Unit-2)
47. Best Wool Sweaters Ltd.
48. Thermax Group
49. Multifabs Limited (New Building)
50. Mourisus Intercontinental Ltd.
51. Apex Fashions Ltd.
52. Chorka Apparels Ltd.
53. Comfit Composite Ltd.
54. Chorka Fashions Ltd.
55. Siji Garments Co. Ltd.
56. Tang Fashion Ltd.
57. GIZ Bangladesh
58. Directorate of Health Ministry of Bangladesh
59. Asian Development Bank (ADB)
60. ESPERIT Apparels Ltd.
61. Four Knitwear Ltd.
62. Global Shirts Ltd.
63. New Grameen Motors Ltd.
64. IEB Head Quarter
65. Mens Wear Fashion Ltd.



Thank You

