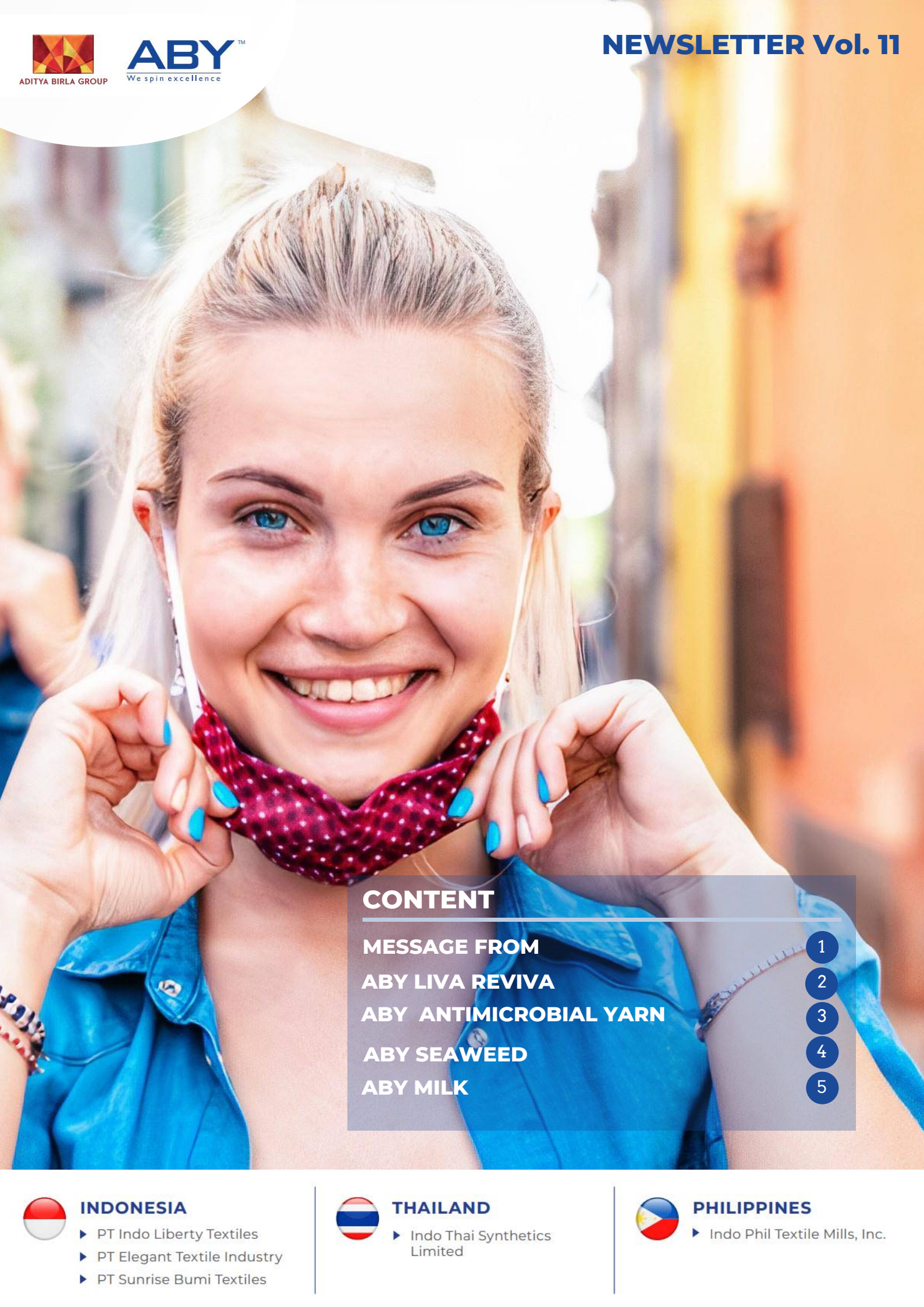




ADITYA BIRLA GROUP

**ABY**<sup>TM</sup>  
We spin excellence



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### INDONESIA

- ▶ PT Indo Liberty Textiles
- ▶ PT Elegant Textile Industry
- ▶ PT Sunrise Bumi Textiles



### THAILAND

- ▶ Indo Thai Synthetics Limited



### PHILIPPINES

- ▶ Indo Phil Textile Mills, Inc.

# MESSAGE FROM

## THE DESK OF CHIEF FINANCIAL OFFICER

### MR CHANDRA BANSAL

Dear Partners,

We hope and wish that you are doing fine!

Covid-19 took the entire world by surprise early this year and since then we have witnessed some difficult months together. However, it has been phenomenal to see how people from different nationalities came together across the globe to help each other & flatten the curve. This has been a true testament of Human persistence and spirit. In view of this spirit, I would like to thank you for your continued support in these turbulent times and talk about how we can partner effectively in our journey to recovery.

On behalf of ABY, I would like to express our gratitude to all valuable customers – we appreciate your business. As I look back, it is remarkable how with continued support from our partners we have maintained business continuity and were able to deliver on our promise of customer delight. To deliver high quality experience, we quickly revamped our planning & production processes to build higher flexibility in our plants. This enabled us to address changing customer requirements considering dynamic market environment and reduce our delivery time significantly. Initiatives taken in this direction enabled us to continuously deliver 90%+ OTIF despite uncertain market conditions. We believe our unparalleled work in this direction will give us a strong competitive edge in a crowded market space. We would also like to convey our thanks to Indonesian government and all authorities in Bekasi, Karawang & Purwakarta for their wholehearted support to ensure our plants continue operations along with ensuring safety of our people.

Aditya Birla Group has always stood by a principle 'People First' and last few months have highlighted the importance of this. We feel proud to say that we have been one of

the pioneers when it came to quick & adequate measures to ensure safety & well-being of all our stakeholders. We have gone above and beyond government and WHO recommendations to ensure that all our plants are equipped with required PPE gear for safety of our employees. We worked very closely with our partners – Customers, Suppliers, Transporters to ensure safe movement of goods & personnel. These and many more steps helped us ensure zero Covid cases across all our offices & plants spread over 7 countries and 3 continents. I believe our employees deserve a word of appreciation here as none of this would have been possible without dedication and hard work of our people.

We have always believed in establishing deep, meaningful relationships with our customers which has proved to be a differentiator in ensuring business success. We have continuously worked with all our valued customers to not only ensure zero disruption because of supplies but also step in to help meet delivery gaps from other suppliers. We would also like to call out our suppliers for their constant support and endeavor to provide best of services which in turn enabled us to deliver an impeccable experience to our customers. A special thanks to our banking partners as well who have provided unconditional support despite tight liquidity and ensured adherence to performance SLAs even with partial capacity & work from home.

As we together embark on this journey to recovery, we believe its important for us to intently listen to our customers & their needs. We realize the fact that there is no ready handbook on how to deal with the situation at hand and only meaningful collaboration can help us to figure out an effective solution. In this regard, we would urge you to reach out to us for any support that we can provide, business or otherwise.

We hope that 2021 will bring new business opportunities for us and together, once again, we will achieve new heights.



# LIVA REVIVA

From recovered plastic bottles along shorelines, to vintage leathers, to petroleum based fabric materials such as polyester, nylon, acrylic, denim, spandex and microfibers- designers and manufacturers are turning to recycled yarn to create new designs- in turn, extending the cradle to grave lifespan of single use products or fast fashion.

Items made with recycled yarn just feel better when you wear them! ABY got a step further to certify their recycled materials through Recycled Claim Standard (RCS) to provide assurance to our customers who are making a positive difference.

Introducing ABY LIVA REVIVA, backed by our commitment for transparency, traceability & technology. A yarn that is consciously fashionable of which 80% is wood pulp & 20% is pre-consumer fabric waste laying emphasis on responsible manufacturing.



**Sourced by 100% Sustainability forestry**



**Low water consumption**



**Low greenhouse gas emissions**



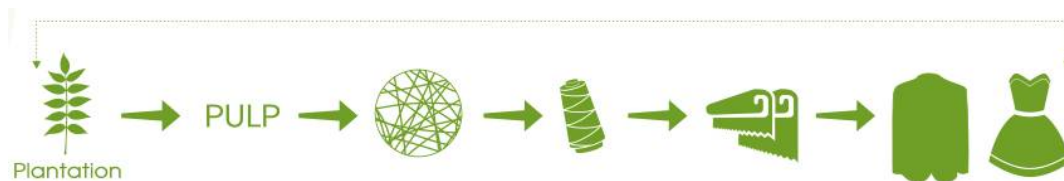
**RCS Certified**



**Traceability of source through blockchain**



**Fast biodegradability**



**UNIQUE MOLECULAR TRACER INSIDE THE YARN FOR SOURCE VERIFICATION AT ALL STAGES AND SUPPLY CHAIN TRACEABILITY THROUGH BLOCKCHAIN**



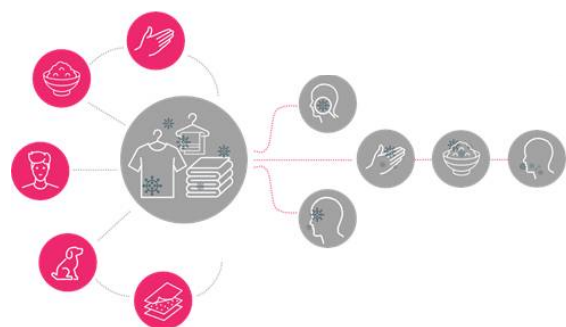
**ABY LIVA REVIVA YARN FOLLOWS THE PRINCIPLES OF CIRCULAR TEXTILES, AND IS MADE BY USING PRE-CONSUMER TEXTILE WASTE**



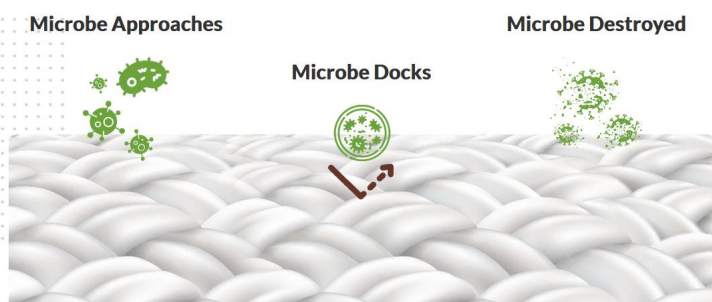
**INVESTING IN TEXTILE WASTE RECYCLING IS PART OF OUR COMMITMENT TOWARD CIRCULAR ECONOMY**

# ABY ANTIMICROBIAL YARNS

Microbes can get transmitted to humans via hands, food, pets, surfaces, and other humans. But did you know that apparels and home textiles could also carry and transmit microbes? Thus, arises the need for apparels and home textiles to be more hygienic, without losing its fashion quotient.



Antimicrobial yarn by ABY, are enhanced with Antimicrobial attributes at fibre stage, During the fibre manufacturing process, an active agent is injected, which becomes an integral part of the fibre and provides durable Antimicrobial properties. The active agent is strongly bonded with the substrate, resulting in excellent durability to wash & wear.










## ADVANTAGES

-  **PERMANENTLY ANTIMICROBIAL EFFECT**
-  **INHIBITS THE GROWTH OF BACTERIA**
-  **COMPATIBILITY WITH THE BODY**
-  **PROVEN TO HAVE NO EFFECT ON THE SKIN**
-  **LEND A FEELING OF FRESHNESS**
-  **INCREASES AND IMPROVES CLEANLINESS**
-  **CERTIFIED OEKOTEX STANDARD 100**

## PRODUCT RANGE

- Polyester Bioact blends with Polyester
- Nano Zinc Polyester blends with Polyester
- Feelfresh Polyesterblends with Polyester
- Silver Copper Polyester blends with Polyester
- AM Polyester blends with Viscose
- AM Polyester blends with Cotton
- AM Polyester blends with Bamboo
- AM Poly blends with Linen / Polyester
- AM Polyester blends with Recycled Polyester
- AM Polyester blends with Cotton / Viscose
- AM Polyester blends with Viscose/wool
- AM Viscose
- AM Viscose blends with Bamboo
- AM Viscose blends with Polyester
- AM Viscose blends with Viscose
- AM Viscose blends with Nylon
- AM Viscose blends with Cotton

## VERSATILE APPLICATION

-   
**Suiting**  
Workwear | Uniforms
-   
**Apparel**  
Ethnic | Saree | Western
-   
**Home Textiles**  
Bed | Bath | Floor & Furnishing
-   
**Accessories**  
Stoles | Scarf
-   
**Athleisure**  
Active wear | Casualwear
-   
**Intimate Wear**  
Sleepwear | Loungewear
-   
**Kids wear**

# ABY SEAWEED

Seaweed, the most original and simplest species, has been existed for 35 billion years no matter how harsh the environment it is. It just like the forest which protect the ocean, providing oxygen, and also being food for many species. Meanwhile, It will extremely improve our life with healthy if we can use seaweed as well as any ways of day life, even protect the earth friendly and harmless.

In response to the increasingly harmful impacts of our environment, and after years of intensive research, Aditya Birla Yarn has succeeded in developing ABY Seaweed, a yarn made from renewable resources. ABY Seaweed is a yarn composed of 100% biodegradable matter and seaweed which are collected in a sustainable manner an innovative and totally ecological process.



## The power of seaweed in a Yarn

### Nutrients to the Skin

properties of the algae are beneficial and revitalizing the skin. Algae contain minerals, trace elements of iron and iodine, amino acids and vitamins. Therefore algae are also in demand in cosmetic products. The natural skin moisture, the nutrients are released when wearing and perform the treatment functions - even after many washes. So the body can regenerate from the daily stress.



### Incredibly Soft

The special combination of extraordinary softness, gentle care, and protection for your skin, ABY Seaweed brings you the best nature has to offer. In doing so, the fiber has no cytotoxic effect. Even sensitive skin shows no adverse reactions. So in terms of skin physiology, ABY Seaweed can be classified as harmless.

### Protects course

ABY Seaweed has many advantages such as the inhibition of inflammation and itching, activates cell regeneration and protects the skin against environmental influences. It reduces skin damage and premature aging caused by free radicals



# ABY MILK YARN

ABY Milk – silk for skin! Peeling and dirt adhesion. And ABY meets the growing demand for sustainable natural yarn in the attractive mega-trend of convenience product specialties. However, ABY can not only cover this demand, but opens up exciting possibilities for new innovative material combinations properties, as for example soft as silk, antibacterial, regulating climate, skin protecting, hydrophilic and many others.

Aditya birla yarn has lauched ABY Milk yarn, made of casein, 100% natural, soft and smooth as silk and skin friendly. They meet the requirement of innovative material developments. And is therefore also the ideal combination blends composition for a wide variety of material mixes made from natural or synthetic fibers. ABY Milk improves the product properties, its soft feel & superior in strength. The Yarn is also characterized by its moisture absorption and climate regulation. The antibacterial effectiveness protects against direct skin contact.

## "ABY MILK IS ENVIRONMENT FRIENDLY"

With a natural antibacterial effect and high hydrophilicity, ABY Milk provide value of the yarn products in the growth market. ABY Milk as the only natural yarn which has thermo-bonding properties. Thus, other natural fibers can also be combined without conventional plastics or phenolic resins. So, of course, light-weight constructions remain 100% and can be composted.

With ABY Milk, you rely on quality, naturalness, innovation and an exceptional feel

## FEATURE



silky



compostable



temperature regulating



natural



thermobonding



flame retardant

## APPLICATION



**Suiting**

Workwear | Uniforms



**Apparel**

Ethnic | Saree | Western



**Home Textiles**

Bed | Bath | Floor & Furnishing



**Athleisure**

Active wear | Casualwear



**Intimate Wear**

Sleepwear | Loungewear



**Kids wear**



### Obtaining Milk

The milk used to make milk cotton is waste milk that is otherwise, which is generally obtained directly from a dairy



### Fermenting Milk

its is then skimmed to remove fat and dewatered



### Extracting casein protein

The powdered milk is then dissolved and purified to remove any substances that are not casein



### Immersing in Alkali

Powdered casein in imersedin alkali to make a solution that is then passed through a spinneret



### Removing the Alkali

The solution is then immersed in sulfuric acid to remove the alkali



### Spinning into Yarn

The resulting fiber are stretched and spun into yarn