

BGA/TFC/2026/227

Date: 25 August 2026

To: All Honorable Members of BGMEA**Subject: Energy-Efficient Upcycling Solution (47-65% Energy Savings) & Special Benefits for BGMEA Members**

We are pleased to inform that a Memorandum of Understanding (MoU) has been signed with Bangladesh Industrial Development and Engineering Company (BIDEC) to facilitate access to the locally developed patented technology for converting conventional capacitor-type ceiling fans into energy-efficient BLDC fans.

- BGMEA has supported testing of the technology across 42+ member factories till August 2026 using different types and conditions of existing fans.
- The trials demonstrated approximately 47%-65% efficiency improvements, providing encouraging factory-level evidence of the technology's potential.
- These results indicate an opportunity to reduce electricity consumption and improve factory energy performance.

Benefits for BGMEA Members

- By this Upcycling, there is no need to replace the old existing fans with new ones. The old fans will be converted into energy efficient BLDC fans.
- Special rates exclusively available for BGMEA member factories.
- Five-year guarantee for the upcycled fans.
- Potential for 50%+ efficiency improvement, subject to factory-specific conditions and usage.
- Potential payback/ROI of approximately 1.5-2 years, depending on individual factory electricity consumption and operating conditions.
- Technical support, onboarding and training from BIDEC.
- Supports energy optimisation, operational cost reduction and factory decarbonisation goals.
- Helps factories respond to growing sustainability and energy-efficiency expectations of international buyers and markets.

Factories interested in trying or assessing this technology may contact the following BGMEA focal point. BGMEA will facilitate communication with BIDEC and support interested members in exploring the solution with special offers.

Focal Point Sajjadul Alam**Designation** Senior Assistant Secretary, BGMEA**Contact** 01723867373, bgmea.sajjad@gmail.com

Member factories are encouraged to explore this practical energy-efficiency solution as part of their ongoing energy optimization and decarbonization efforts.

Thanking you,



Maj Gen Dr. Md. Shahedul Islam (retd)
Secretary General

BANGLADESH GARMENT MANUFACTURERS & EXPORTERS ASSOCIATION

বাংলাদেশ পোশাক প্রস্তুতকারক ও রপ্তানীকারক সমিতি

— বাংলাদেশ তৈরি —