

March 19, 2024.

To  
Corporate Relations Department,  
Bombay Stock Exchange Limited (BSE),  
Phiroze Jeejeebhoy Towers,  
Dalal Street, Mumbai – 400 001.

**Script Code: 541228**

**Subject: INTIMATION FOR FILING A PATENT APPLICATION FOR “AN IMPROVED SYSTEM OF SUGAR MANUFACTURING AND PROCESS THEREOF”.**

**Reference: Regulation 30 read with Part A of Schedule III to the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015.**

Dear Sir,

Pursuant to Regulation 30 of the SEBI (Listing Obligations & Disclosure Requirements) Regulations, 2015, we wish to inform you that the promoters of the company have filed a patent application for improvement in sugar manufacturing process, that aims at increasing yield and improving sugar quality without the use of harmful chemicals in sugar manufacturing process. The same once granted shall be assigned to Taylormade Renewables Limited.

The process is a system for efficient sugar manufacturing by looking to

- Improve the quality of sugar cane juice,
- Have a relatively higher yield, being energy efficient by reducing number of equipment, and eco-friendly,
- Improve the turbidity and color removal efficiency, no chemical consumption.

This Innovative process of improved sugar manufacturing will help the company foray into the Sugar sector thereby adding to the top & bottom line. India being the largest producer of Sugar, and Government’s initiatives to increase Ethanol production would act as great tailwinds for your Companies Products and Technology. The advantages of the improved sugar manufacturing process are attached herewith in Annexure A.

We request you to disseminate the above information on your website.  
Thanking you.

Yours faithfully,  
**For, Taylormade Renewables Limited**

**Dharmendra Gor – CMD.**  
**DIN: 00466349.**

CIN: L29307GJ2010PLC061759

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## Annexure A

The existing sugar manufacturing processes use high temperatures that causes a significant amount of Energy consumption and are exothermic in nature. The process of cleaning, clarifying, bleaching or disinfecting procedures on equipment, use chemicals – detergents, disinfectants, strippers, etc. – causing significant risks to the health of workers. Sugar mills produce wastewater, emissions and solid waste that impact the environment. The above-mentioned process of improved sugar manufacturing eliminates a majority of these hazards and disadvantages.

The advantages of the above-mentioned process are:

- Compact (less moving parts), relatively better sugar cane juice quality, increases storage stability and lower subsequent downstream process (by removal of microorganisms, polyphenol oxidase & phenolic compounds).
- No Chemicals added for TRL- Zeo Membrane & TRL RAIN™ (Patented Technology), so the quality of sugar is better while being less harmful and consistent than the conventional technology.
- It reduces the artificial color from said sugar and can improve the output yield by 7-8% in comparison to the conventional technology.
- Payback period is comparatively lesser than setting up a sugar mill using the conventional technology and thus can be used for Sugar Syrup concentration as well.
- TRL-Zeo-Membrane system reduces the energy consumption drastically for concentration of sugar cane juice compare to conventional process and thereby significantly reducing the cost of operations by a huge margin.
- TRL system never clogs due to its self-cleaning mechanism thereby eliminating need for operational skilled man power and hence is easy to Install and operate as well.
- The system can run on waste heat or biomass or any Cleaner heat source, as low temperature is sufficient for the process.
- As it is closed loop there will be no air pollution making the Distillery a better place to work and there would be no soil pollution.
- It uses Zeo membrane filtration which saves the energy, volume reduction, decreases inversion process and saves the fresh water.

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