

# Green Energy Management for Net Zero Emission

## ➤ Renewable energy by Solar Plant

Savings is calculated in terms of purchased electricity (REB power) as we are using REB power source for our production process.

Average capacity of solar plant = 412.0 kWp

Average power generation per day =  $412.0 \times 0.7 \times 5 = 1,435$  kWh

Yearly REB power usage savings =  $1,435 \times 354 = \underline{5,07,990}$  kWh

Per unit cost of purchased electricity = 7.70 Tk/kWh

Yearly cost savings =  $5,07,990 \times 7.70 = \underline{39,11,523.00}$  Tk/year



Hence, by installing Renewable energy by solar, we are able to reduce approx. 5,07,990 kWh REB power usage and 39,11,523.00 Tk per year.