

₹4.3 lakh**Energy intensity**

One year. The saving, a month.
About 54,600 kWh.

741 to 968 MT**MT a month**

One year. First month to last.

0.61 to 0.56**kWh per kg**

One year. First month to last.

AVANTI FROZEN | ONE YEAR

Avanti Frozen — Design Partner

The saving over the year is energy intensity: 0.61 to 0.56 kWh per kg, ₹4.3 lakh a month.

741 MT a month did not show the power per kilogram.

The tonnes frozen and the power bill were two separate numbers. At the start of the year the plant froze 741 MT a month. That total did not say how much electricity each kilogram used, or which freezer it ran on.

Neuron put the kilograms and the kilowatt-hours on the same freezer.

Each freezer shows the kilograms it froze and the kilowatt-hours it used. That includes minutes the blower ran before and after production, and minutes a cold-room door stayed open. Production and the power team read the energy intensity, kWh per kg, on that freezer.

The freezer

Where the tonne ran

Kilograms

What that freezer froze

Kilowatt-hours

What that freezer used

Production and the power team see that freezer

One year, first month to last. Energy intensity 0.61 to 0.56 kWh per kg. Output 741 MT a month to 968 MT.

The saving is energy intensity: 0.56 kWh per kg.

Energy intensity is kWh per kg, first month of the year to the last. ₹4.3 lakh a month is that saving, about 54,600 kWh.

FINDING

Output and electricity were not on the freezer.

The plant could freeze more and spend more on power, and still not see the electricity used for each kilogram. Blower time outside the run, and an open cold-room door, were not in those two numbers.

ACTION

Read the year on each freezer.

Production and the power team used each freezer's kilograms, kilowatt-hours, blower time outside the run, and cold-room door time as one record.

RESULT

0.56 kWh per kg.

From the first month of the year to the last, energy intensity went from 0.61 to 0.56 kWh per kg. That saving is ₹4.3 lakh a month, about 54,600 kWh a month.

First month and last month of the year

	First month	Last month
A month	741 MT	968 MT
Energy intensity	0.61 kWh/kg	0.56 kWh/kg
Reported saving	—	₹4.3 lakh a month
Kilowatt-hours	—	About 54,600 kWh a month

The saving is energy intensity, 0.61 to 0.56 kWh per kg, first month of the year to the last.

The saving is energy intensity.

₹4.3 lakh a month is the lower energy intensity, about 54,600 kWh a month, from the first month of the year to the last.

Avanti Frozen, one year. The saving is energy intensity, 0.61 to 0.56 kWh per kg. ₹4.3 lakh a month and about 54,600 kWh a month are that saving. Output is MT a month, first month to last month.