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PepsiCo India Holdings Private Limited is a multinational company with interests in Manufacturing, Marketing and Distribution of grain-based snack foods, beverages, and other products. PepsiCo entered India in 1989 and in a short period of 23 years has grown into the largest and one of the fastest growing food & beverage business in the country. PepsiCo has a commitment on 'Performance with Purpose' to find innovative ways to minimize their impact on the environment, which primarily focusses on Water and energy conservation.

TOPIC:

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LOCATION:

Maharashtra

COMPANY:

PepsiCo, Roha

THE SITUATION

PepsiCo, Roha, Maharashtra, as a part of their initiative to conservation of energy, invited Grundfos for Energy Audit. The report showed that the existing pumps were consuming more energy related to pressure and the wastage of water was also alarmingly noticeable. So, PepsiCo, Roha decided to replace few of their existing critical pumps with 'energy efficient pumps'.

THE GRUNDFOS SOLUTION

The detailed Energy audit report suggested the replacement with Grundfos Vertical pumps and closed couple end suction pumps (Models:- CRN 64-2, NB 125-200/221, and NB 100-200/170, CR 20-03, and CR 15-04) in the utility and process systems in order to optimize the water-energy performance.

THE TECHNICAL DATA FOR CRN/CR PUMPS ARE LISTED BELOW:

Flow rate: max.180m³/h

Head: max 330m

Liquid temperature: -40 °C to +180 °C

Operational pressure: max.33 bar

THE TECHNICAL DATA FOR NB PUMPS ARE LISTED BELOW:

Flow rate: max.1000 m³/h

Head: max 160m

Liquid temperature: -25 °C to +140 °C

Operational pressure: max.25 bar

THE OUTCOME

Grundfos pump solutions thus saved PepsiCo, Roha 5625 kWh units per month amounted to Rs.4,00,000 (approximate) annually.

“Grundfos pumps saved 41 % of energy consumption, which has contributed greatly towards PepsiCo Roha’s initiation on Energy Conservation. Grundfos high quality pumps offer reliability, which is very important to ensure the quality of production” says a maintenance official.

FEATURES FOR GRUNDFOS PUMPS:-

1. Ease of installation and commissioning
2. Trouble free operation
3. Reliable performance

Related Products



NB, NBG, NBE, NBGE END-SUCTION CLOSE-COUPLED PUMPS

A complete range of non-self-priming, single-stage, centrifugal volute pumps.