

## **B) IMPROVEMENTS CARRIED OUT ON ENERGY FRONT (SECTIONWISE)**

### **1) PROCESSING:**

A) Process modification has been done with online separation during milk reception instead of **TRADITION METHOD** with which there was three to four hours' reduction in processing of milk.

B) Installing the flow diversion valve and other accessories in the processing plant and there by monitoring the heating temperature of milk.



### **2) REFRIGERATION:**

With reduction in efficiency, Refrigeration system is operated with regular oil purging, air purging, maintaining COP etc. The theoretical load required is studied and monitored as and when required.

### **3) AIR COMPRESSOR**

Effective head cooling is arranged from the overhead tank. Water holding tank capacity was increased and return line from the tank is diverted to under ground sump tank.

### **4) WATER SYSTEM**

Pumping from kaikamba & padeel being arranged in general & night shifts. High level and low-level sensors are installed in overhead and sumps respectively to avoid overflows and dry runs. Further by providing direct water line for domestic purpose and avoiding overflows in domestic tank at least 10000 litres of water /day is saved.