Replace the existing diesel generator of your Bulk Milk Chiller with Promethean’s TSS (Thermal Storage System) that chills milk even when there is no power during milk collection.

By eliminating DG set, the Promethean Milk Chilling solution provides the current BMCs a most cost effective way to operate and chill milk in villages where grid power is erratic.

This also makes the Collection Centre operations simpler due to lower maintenance and no hassle of diesel procurement.

Thermal Storage System (TSS)
It is an energy storage technology which provides cold energy for all of Promethean’s refrigeration products:

- **Backup cooling power** - for areas with unreliable grid power
- **Instant cooling power** - for rapid cooling of fruits, vegetables, milk and other perishable food products
- **Load shifting** - from day-time to night-time to reduce energy bills

**Eliminate Diesel : Reduce Maintenance : Ease Operation**
A site visit is mandatory to check compatibility of current BMC Control Unit, Inverter & batteries and other fittings.

### Thermal Storage System
- **Back-Up Capacity per TSS** – with 1 full recharge: 500 Litres
- **Time to Recharge**: 4 - 5 Hours
- **Dimensions**: 1.2 X 1.2 Metres

### Accessories and other fittings
- Pumps to circulate coolant
- Connectors, Clamps and Fittings
- Plate Heat Exchanger to chill coolant of TSS

### Control Unit, Inverter & batteries
- **Monitor the entire system**
- **Display temperature of stored milk**
- **Auto switch on/off with temperature variations**
- **Provide backup to run the coolant pump and control unit in absence of power grid**

### Compressor - (If existing compressor is to be replaced)
- **Compressor Type**: Copeland Scroll
- **Refrigerant**: R-404 a
- **AC Power Supply**: 1ph or 3ph

### Rapid Milk chiller – Form 35°C to 4°C
- **Flow rate - for 4°C** (Can be customised): 210 Ltrs / hr
- **Holding Funnel Capacity**: 60 Litres
- **Dimensions (L x B x H)**: 0.76 x 0.76 x 1.7 Meters

**COMPONENTS & TECHNICAL SPECIFICATIONS**

*innovative chilling solutions*

[web site: www.coollectrica.com](http://www.coollectrica.com)
[Email id: info@promethean-power.com](mailto:info@promethean-power.com)

Tel: +91 20 65001106 (INDIA)
+1-617-512-8811 (USA)