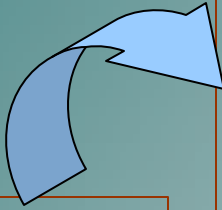


# Achievements

## Water consumption



### Existing Water Consumption

Total Water pumped for factory use = 88,000 lit / day  
Total Electricity Consumption = 20948.40 Kwh

Annual electricity cost (Rs 10/Kwh) = Rs. 209484.00

Unit Cost of water for the existing system = 6.6123Rs / 1000' lit

### Implemented CP Solution to Reduce Water Consumption in the factory from Implementation Plan -Phase I,

1. Separating cooling water & washing water in the drainage system
2. Changing the pipe diameter in pipes of the cooling water system
3. Reuse of cooling water in the mills
4. Use of rubber nozzle type spray mechanism for washing water
5. Install automatic cutoff system for pumps in over head tank



**Total Annual Saving**  
**Rs 198,735.00**



### After CP Implementation,

Electricity Consumption for Proposed submersible pump per day = 5.97 Kwh  
 Electricity consumption per year = 2149.2Kwh  
 Annual Electricity cost (Rs 10/ 1 Kwh) = Rs.214920.00  
 Necessary amount of water for factory consumption = 44000 Lit / Day  
 Unit cost = 0.6782 Rs/1000' lit

## Power Consumption

### Existing Power Consumption

Energy Demand of Factory = 82 KVA  
Average cost of power (per 1 Kg of Rubber) = Rs 4.79

**Total Annual Saving**  
**Rs 715,360.00**



### Implemented CP Solution to reduced the cost of power consumption from implemented plan- Phase I

1. Upgrading capacity banks on switch board
2. Make use of time of day tariff
3. Avoiding machine idling time

After upgrading the Capacitor bank, the reduced Demand = 55.67 KVA  
**Annual Saving = 26.33 \* 440 \* 12 = Rs 139,022.00**

Existing Average cost of Power = Rs 4.79 per 1 Kg of Rubber  
Present Average cost of power = Rs 2.72 per 1 Kg of Rubber  
**Annual saving = 23112.67 \* 2.078 \* 12 = Rs 576,338.00**

### Intangible Savings .....

- ✗ Improvement to Factory Working Conditions through good house keeping practices
- ✗ Lowered fuel consumption in Drying Tower due to reduction of water content & reduced drying time in Crepe Rubber
- ✗ Reduced accidents at factory
- ✗ Good Company Image due to Environmental concern
- ✗ Less/ No Pressure from Legal authorities due to environmentally sound performances
- ✗ Improvement of Employee motivation to work
- ✗ Improvement of Employee safety & Health

Company Representative for the CP Assessment

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