

## ECOPROFIT NCR Club 2008

NOTE: Kindly note that the below mentioned saving options, are examples from few of the actions carried out in different participating companies. In general we have some 10-15 similar saving options examples (from the field of energy, waste water, water, cleaner production, raw material saving, fuel savings, etc) in all participating 12 companies. The overall results are yet to be evaluated, as the project is still continuing.

### Area: A: Water Conservation:

#### M/s Hella India Electronics Pvt. Ltd, Gurgaon:

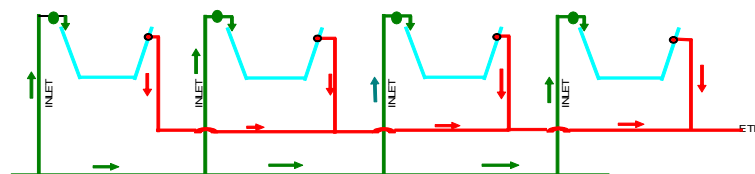
Treated water from STP was drained earlier but after attending the training workshop on 'Water Management' and discussing with the ECOPROFIT Team during the consulting visit, the company has started using this treated water from STP for gardening within their premises. This reuse of water saved approximately 720 tankers a year i.e., 3200 KL per year of water which is equivalent to INR 108000.

#### M/s Roop Automotives Ltd, Sohna:

The similar action has saved approximately 960 KL/year of fresh ground water, in this company.

ASK Automotive (P) Ltd (Unit –III), Manesar: The company has 4 rinsing tank for the degreasing process of the automobile components. The plant maintained a flow rate of water in all tanks at the rate of 60 lit/hr, thus having water consumption of 1199 KL per year.

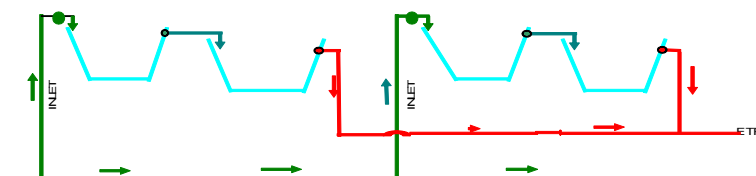
BEFORE



LEGENDS :-  
— GREEN LINE IS THE WATER INLET LINE  
— ORANGE LINE IS OUTPUT FROM TANK TO ETP

Later with ECOPROFIT consultation, they have cascaded the rinsing tanks which had reduced the fresh water intake and the company had saved 420 KL of water/year. (also as the water used is one of the tank was DM water the company additionally saved INR 1,47,000/year).

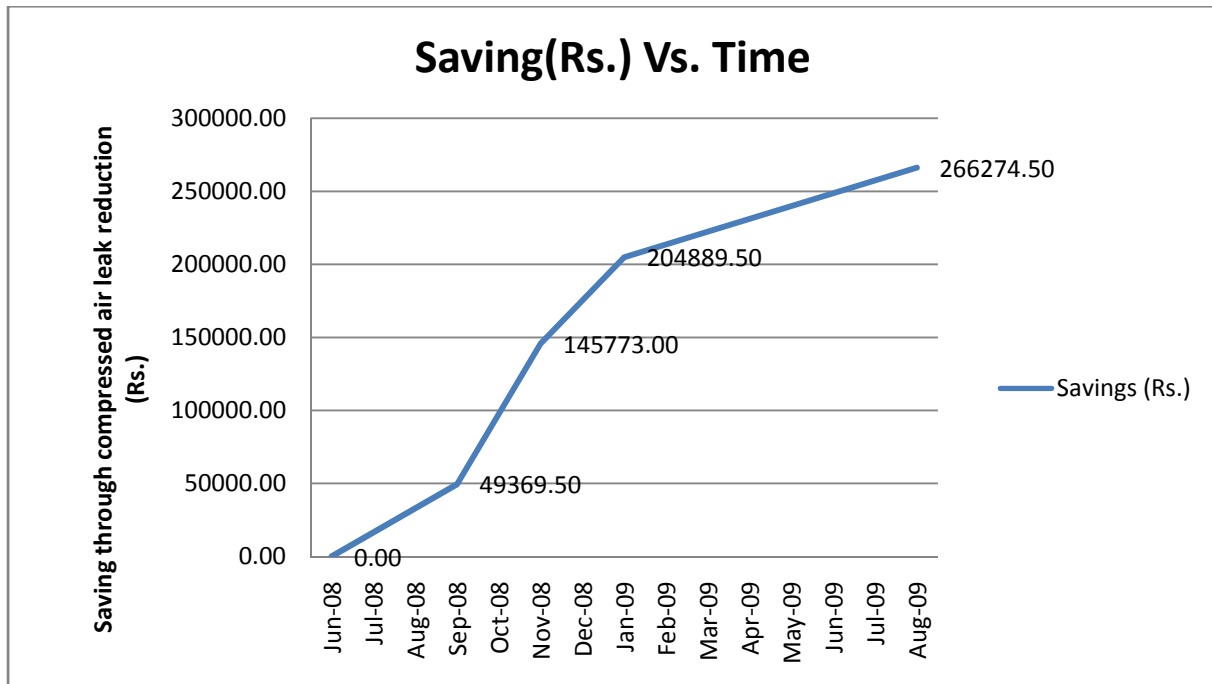
AFTER



## Area B: Energy Conservation:

M/s Hella India Electronics Pvt. Ltd, Gurgaon: (NO COST OPTION)

Using ECOPROFIT tools for compressed air the company has saved **INR 435274 without any investment**, which was a significant gain for the company.



**INR 266274** were saved by reducing their leak losses from 66 % to 36 % (as shown in graph) and **INR 169000** were further saved by reducing the generation pressure of the compressed air from 8 to 6.5 bars

## M/s ASK Automotive (P) Ltd (Unit –III), Manesar: (LOW COST OPTION)

Using ECOPROFIT tools on Creative Optimization of production processes this company have saves **INR 244000** just by implementing two creative **low cost option** suggestions.

This company has covered the top surface of hot water tanks with thermal balls to avoid the heat losses from the uncovered surface of the degreaser tanks in which the components are dipped and conveyed further two other tanks according to process requirement.



The above solution has provided savings of 5.5 KL of diesel i.e., INR 178000 per year with an investment of only INR 7000.

Also they installed a root blower in place of compressed air (used for water agitation in rinsing tanks) which has further provided savings of INR 66000 per year.



## M/s Sandhar Auto Components, Manesar:

The company has gone for insulation of removable heating jackets on the injection molding machines which were causing significant heat loss and have saved **INR 137000** per year.

