

GREEN TEST

OBSERVATION, ANALYSIS and REPORT

EXCLUSIVELY

FOR



CONDUCTED

BY

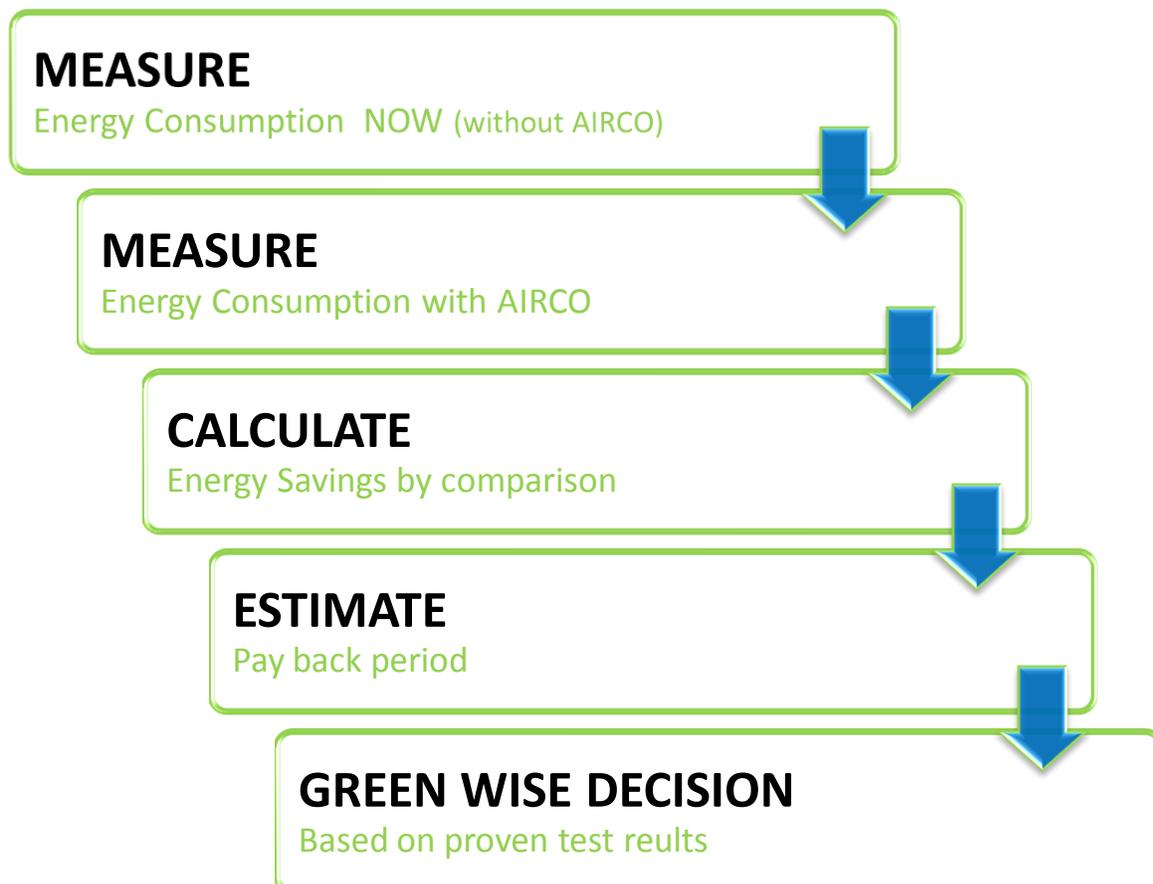


What is a **GREEN TEST**?

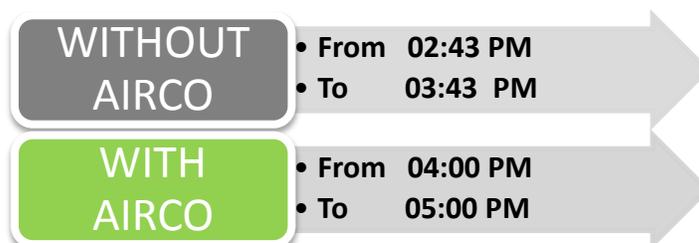
Green Test is a method adopted to **empirically demonstrate** the performance of **AIRCO ENERGY SAVER** in your air-conditioning environment. The test proves that AIRCO works to save energy and provides you an indicative saving potential specifically to your environment

The tests are conducted by trained professionals under the supervision of your authorised personnel. We have used gadgets and meters that are of quality brands.

The **GREEN TEST** Process



GREEN TEST OBSERVATION & COMPARITIVE STUDY (TEST 1)



ANALYSIS ON ENERGY CONSUMPTION

TIME PERIOD	WITHOUT AIRCO (Kwh)	WITH AIRCO (Kwh)	SAVINGS (Kwh)
1 Hour	2.39	1.79	0.6
1 day (12 Hours)	29	21	7
1 Month (31 Days)	872	653	219
1 Year (365 Days)	10468	7840	2628

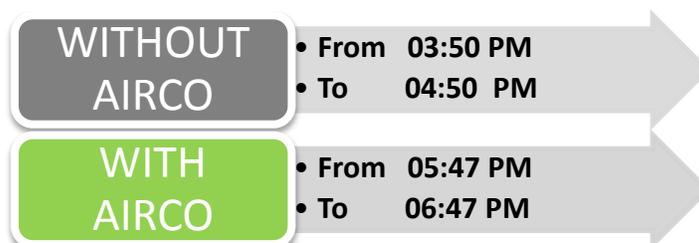
ANALYSIS ON COST (Cost of electricity / Unit assumed at Rs.9.00)

TIME PERIOD	WITHOUT AIRCO (Rs)	WITH AIRCO (Rs)	SAVINGS (Rs)
1 Hour	21.51	16.11	5.40
1 day (12 Hours)	258	193	65
1 Month (31 Days)	7849	5879	1971
1 Year (365 Days)	94214	70562	23652

GREEN TEST SUMMARY

Parameter	Details
TEST Date	09/11/2009
TEST Duration	2 Hours
Capacity of Air-conditioner	1.5 Ton
Type of Air-conditioner	Videocon , Split
Measured Energy Savings	25.10%
Cost/Unit of AIRCO (Rs.)	6250* (Excluding VAT @ 4%)
Estimated Payback Period	3 Months 6 Days

GREEN TEST OBSERVATION & COMPARITIVE STUDY (TEST 2)



ANALYSIS ON ENERGY CONSUMPTION

TIME PERIOD	WITHOUT AIRCO (Kwh)	WITH AIRCO (Kwh)	SAVINGS (Kwh)
1 Hour	14	9.3	1.5
1 day (09 Hours)	126	84	42
1 Month (31 Days)	3832	2545	1286
1 Year (365 Days)	45990	30551	15440

ANALYSIS ON COST (Cost of electricity / Unit assumed at Rs.9.00)

TIME PERIOD	WITHOUT AIRCO (Rs)	WITH AIRCO (Rs)	SAVINGS (Rs)
1 Hour	85.12	56.54	28.58
1 day (09 Hours)	766	509	257
1 Month (31 Days)	23296	15476	7821
1 Year (365 Days)	279619	185747	93872

GREEN TEST SUMMARY

Parameter	Details
TEST Date	17/11/2009
TEST Duration	2 Hours
Capacity of Air-conditioner	34 Ton
Type of Air-conditioner	Carrier, Packaged Unit
Measured Energy Savings	33.00%
Cost/Unit of AIRCO (Rs.)	15450* (Excluding VAT @ 4%)
Estimated Payback Period	2 Months

DISCUSSION AND GREEN PROPOSAL

The energy savings in your environment is an impressive **25.10%** in **Mumbai ATM TEST** and **33.50%** in **Chennai Ambattur Towers TEST**

The performance of air-conditioners may vary depending on a variety of parameters like the model, ambient temperature, humidity levels, frequency of usage, age, room size, installation capacity, amount of open space etc.,

Whatever may be the environment AIRCO ENERGY SAVER adapts itself intelligently and saves energy. The savings in your environment has been demonstrated by conducting the **GREEN TEST**.

The payback period for the **Mumbai ATM TEST** is **3 Months 06 Days** and for **Chennai Ambattur Towers TEST** it is **2 Months**.

AIRCO ENERGY SAVER

- ✓ Comes with replacement warranty of 2 Years
- ✓ Long life
- ✓ Maintenance free

YOUR contribution in SAVING EARTH

Conservation of energy directly contributes to reduction in rate of increase of green house gases and there by dampens the Global Warming process. Organizations across the global consider this as a social responsibility and contribute in SAVING EARTH.

We are sure you would consider the cause of both SAVING COST and SAVING EARTH and take the **GREEN wise** decision.

Awaiting your favorable response

GO GREEN

Principal Consultant

Sai Sumanth Battepati

TECHNICAL SPECIFICATION OF TEST UNIT

Operating Parameters

Input Voltage	230 V AC (+/- 10%)
Frequency	50 / 60 Hz
Sensor Measuring Range	Minimum -10 Degrees C, Max 55 Degrees C
Maximum allowable temperature at sensor	70 Degrees C

Output (Relay)

Contact function	NO (Normally open)
Switch Voltage	24 V AC to 230 V AC
Maximum Switch Current	12 A continuously / 120 A temporarily (20 ms) at 250 V switching voltage
Anti-short cycle protection	3 minutes (1 minute upon power-up)

Operating Conditions

Operating temperature	Minimum 0 Degrees C, Maximum 55 Degrees C
Relative humidity	Minimum 15%, Max 90%
No condensation	

Storage and Transportation conditions

Storage temperature	Minimum -25 Degrees C, Max 85 Degrees C
Relative humidity	Minimum 10%, Maximum 95%

Dimensions

length * height * width	173*32*42 mm without tension relief
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