

GREEN TEST

OBSERVATION, ANALYSIS and REPORT

EXCLUSIVELY

FOR



CONDUCTED

BY

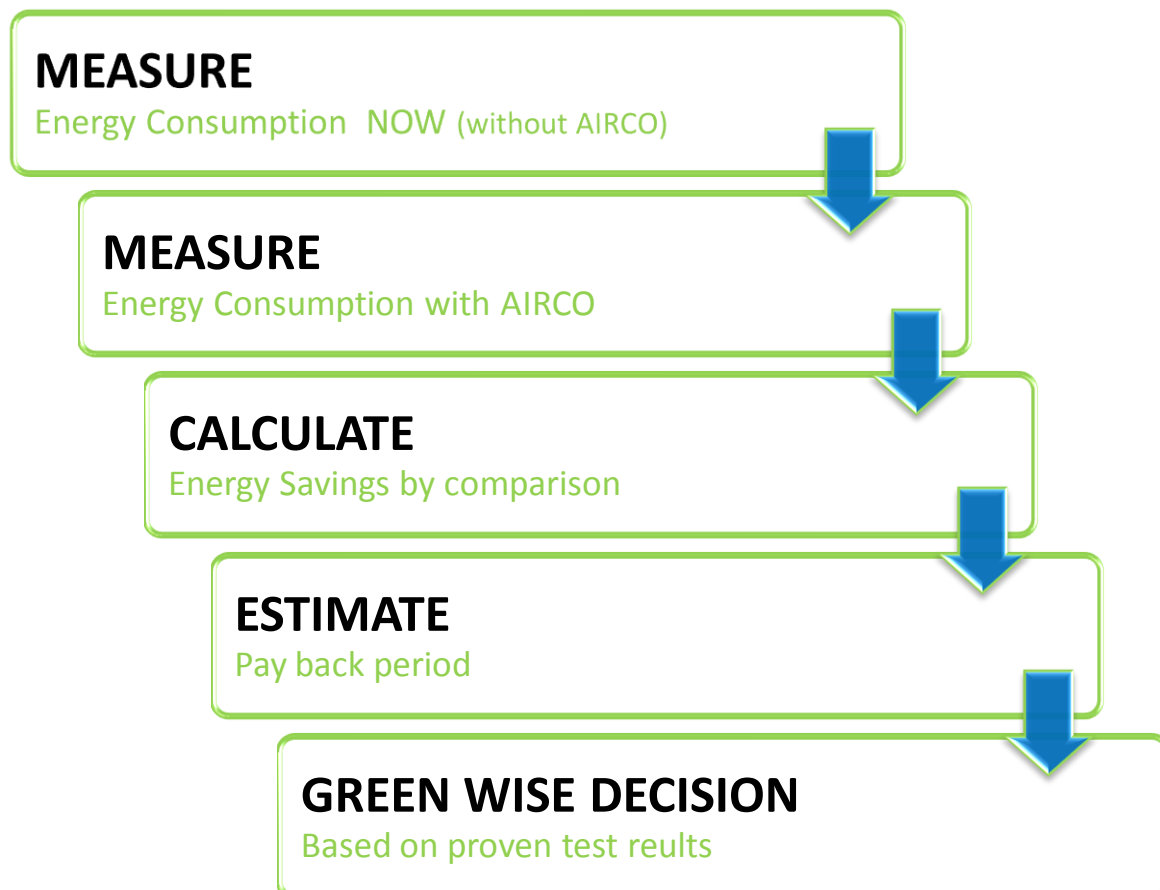


What is a **GREEN TEST**?

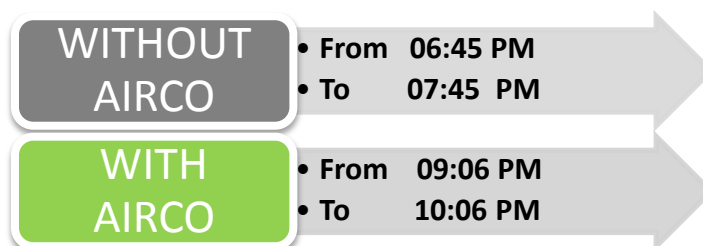
Green Test is a method adopted to **empirically demonstrate** the performance of **AIRCO ENERGY SAVER** in your air-conditioning environment. The test proves that AIRCO works to save energy and provides you an indicative saving potential specifically to your environment

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	3.2	2.4	0.8
1 day (12 Hours)	38	29	10
1 Month (31 Days)	1168	876	292
1 Year (365 Days)	14016	10512	3504

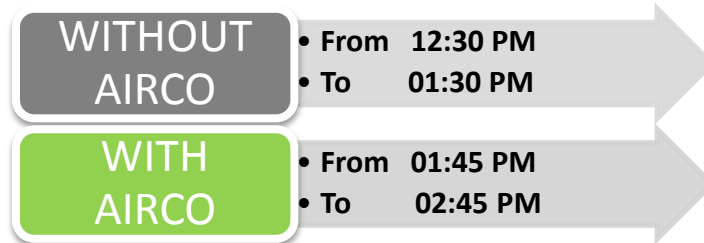
ANALYSIS ON COST (Cost of electricity / unit assumed at Rs.6.08)

TIME PERIOD	WITHOUT AIRCO (Rs)	WITH AIRCO (Rs)	SAVINGS (Rs)
1 Hour	19.46	14.59	4.86
1 day (12 Hours)	233	175	58
1 Month (31 Days)	7100	5325	1775
1 Year (365 Days)	85217	63913	21304

GREEN TEST SUMMARY

Parameter	Details
TEST Date	07/10/2009
TEST Duration	2 Hours
Capacity of Air-conditioner	6.0 Ton
Type of Air-conditioner	Bluestar, Ductable Split
Measured Energy Savings	25.00%
Cost/Unit of AIRCO (Rs.)	9900* (Excluding VAT @ 4%)
Estimated Payback Period	5 Months 15 Days

GREEN TEST OBSERVATION & COMPARITIVE STUDY (TEST 2)



ANALYSIS ON ENERGY CONSUMPTION

TIME PERIOD	WITHOUT AIRCO (Kwh)	WITH AIRCO (Kwh)	SAVINGS (Kwh)
1 Hour	11.1	8	3.1
1 day (10 Hours)	111	80	31
1 Month (26 Days)	2867	2066	801
1 Year (310 Days)	34410	24800	9610

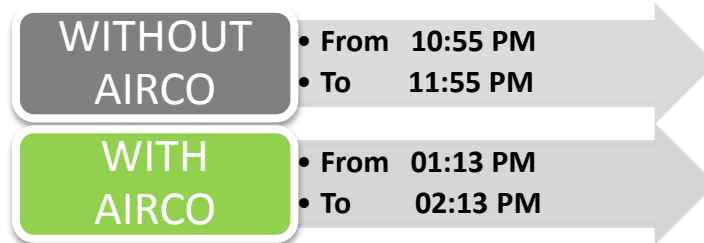
ANALYSIS ON COST (Cost of electricity / unit assumed at Rs.6.08)

TIME PERIOD	WITHOUT AIRCO (Rs)	WITH AIRCO (Rs)	SAVINGS (Rs)
1 Hour	67.49	48.64	18.85
1 day (10 Hours)	675	486	188
1 Month (26 Days)	17432	12564	4868
1 Year (310 Days)	209213	150784	58429

GREEN TEST SUMMARY

Parameter	Details
TEST Date	10/10/2009
TEST Duration	2 Hours
Capacity of Air-conditioner	11.5 Ton
Type of Air-conditioner	Carrier , Packaged Unit
Measured Energy Savings	27.92%
Cost/Unit of AIRCO (Rs.)	14350* (Excluding VAT @ 4%)
Estimated Payback Period	2 Months 25 Days

GREEN TEST OBSERVATION & COMPARITIVE STUDY (TEST 3)



ANALYSIS ON ENERGY CONSUMPTION

TIME PERIOD	WITHOUT AIRCO (Kwh)	WITH AIRCO (Kwh)	SAVINGS (Kwh)
1 Hour	10.13	8.53	1.6
1 day (10 Hours)	101	85	16
1 Month (26 Days)	2617	2203	413
1 Year (310 Days)	31403	26443	4960

ANALYSIS ON COST (Cost of electricity / unit assumed at Rs.6.08)

TIME PERIOD	WITHOUT AIRCO (Rs)	WITH AIRCO (Rs)	SAVINGS (Rs)
1 Hour	61.59	51.86	9.73
1 day (10 Hours)	616	519	97
1 Month (26 Days)	15909	13396	2513
1 Year (310 Days)	190930	160773	30157

GREEN TEST SUMMARY

Parameter	Details
TEST Date	12/10/2009
TEST Duration	2 Hours
Capacity of Air-conditioner	8.5 Ton
Type of Air-conditioner	Carrier , Packaged Unit
Measured Energy Savings	33.00%
Cost/Unit of AIRCO (Rs.)	14350* (Excluding VAT @ 4%)
Estimated Payback Period	5 Months 20 Days

DISCUSSION AND GREEN PROPOSAL

The energy savings in your environment is an impressive **25.00%** in **Server Room TEST**, **27.92%** in **7th Floor Oceanic Towers TEST** and **33.00%** in **Ground Floor Oceanic 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 **Server Room TEST** is **5 Months 15 Days** and for **7th Floor Oceanic Towers TEST** it is **5 Months 20 Days** and **Ground Floor Oceanic Towers** **2 Months 25 Days**.

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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