



GO GREEN

**HEALTHY HOSPITALS
HEALTHY PLANET
HEALTHY PEOPLE**

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- **OBJECTIVE OF THE STUDY:**

- To conduct a baseline assessment for the hospital as kind of gap analysis to plan for smoothly shifting BHAS (Burjeel Hospital for Advanced Surgery, Dubai) into green building and environmental friendly hospital based on the ISO 14001 standards

Benefits of ISO Standard- 14001:

- Reduced cost of waste management
- Savings in consumption of energy and materials
- Improved corporate image among regulators, customers and the public

RESEARCH DESIGN

STUDY DESIGN & METHODS

- Type of study- Descriptive study
- Location of study-Burjeel Hospital for Advanced Surgery, Dubai

Pre Intervention Data

	Folded Tissue Box	Toilet Tissue Box	Big Roll Tissue Box	No. Of Plastic cups (Box)	No. of foam cups (Box)	Paper reams Consumptions
FEBRUARY	42	9	21	17	19	70

METHOD FOLLOWED IN THE AWARENESS PROCESS

- The questionnaire was circulated and filled by most of the staff members.
- The electricity and water bills being paid, paper, cartridges and tissues being used were taken from the accounts department and assessed.
- It was realized that the amount is high and there is a need of awareness and by few initiatives or steps it could be decreased by a significant amount.
- A brainstorming session was organized to come up with maximum possible ideas.
- All the points were noted down and found to be very helpful upon doing the affinity diagram analysis.

INTERVENTIONS

- All the green initiatives were incorporated and followed by the staff members.
- All the staff members are using double side printing all the times possible.
- A line has been incorporated under the entire employee's signature (to avoid printing and go green) to encourage and remind them about the going green initiatives all the time.
- There is minimum use of escalators as well as elevators by the employees as they use stairs the maximum, until or unless required.
- Stickers have been stuck everywhere, on the computers, AC regulators, switches, indicating to turn off all the unused lights and computers and to set the AC temperature at 24 degree Celsius as it is good for us as well as environment.
- Mobile application software of DEWA is downloaded to avoid printing and paying of all the bills online.
- Solar lights were installed in the parking area in front of the hospital and the timings were set for them from 6:00 PM to 6:00 AM.
- The **3 R's** have been efficiently used all and an affinity diagram was made to list all the points according to their relevance;

RE-DUCE - RE-USE - RE-CYCLE

RE-DUCER- RE-USER- RE-CYCLE

AFFINITY DIAGRAM:

REDUCE

The use of elevators to the maximum
Use of plastic glasses for drinking water.
Switch of all unused lights and computers
Use of tissue papers and even the normal papers for printing.
Use of water saving faucets.

REUSE

Do double sided printing
Refill the water bottle, instead of using new glass or new bottle
Reuse of printed sheets to take down notes
reuse of water for some areas

RECYCLE

Introduction of recycling bins for paper, cans, plastics

Figure-3.1.1 (Affinity Diagram)



DEWA CAMPAIGN



EARTH HOUR



EARTH DAY



EARTH HOUR

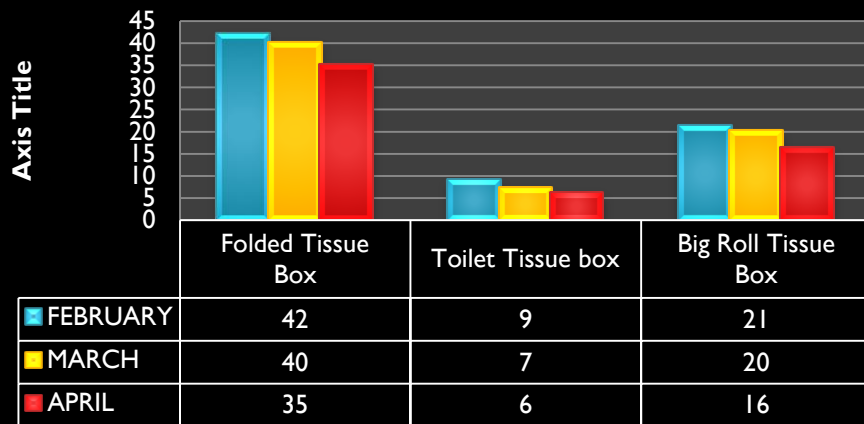
POST INTERVENTION ANALYSIS

- IN TOTAL: The consumption pattern in different months is as follows.

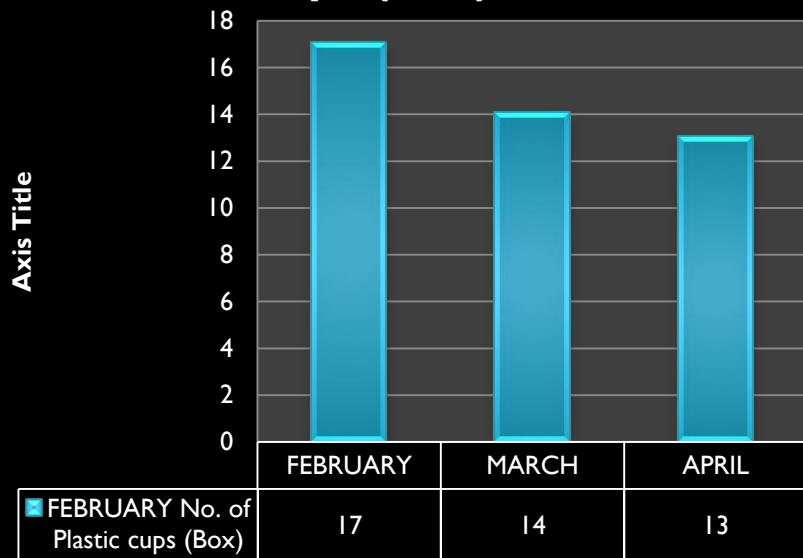
	Folded Tissue Box	Toilet Tissue box	Big Roll Tissue Box
FEBRUARY	42	9	21
MARCH	40	7	20
APRIL	35	6	16

	No. of Plastic cups (Box)
FEBRUARY	17
MARCH	14
APRIL	13
	No. of Foam cups (Box)
FEBRUARY	19
MARCH	12
APRIL	6

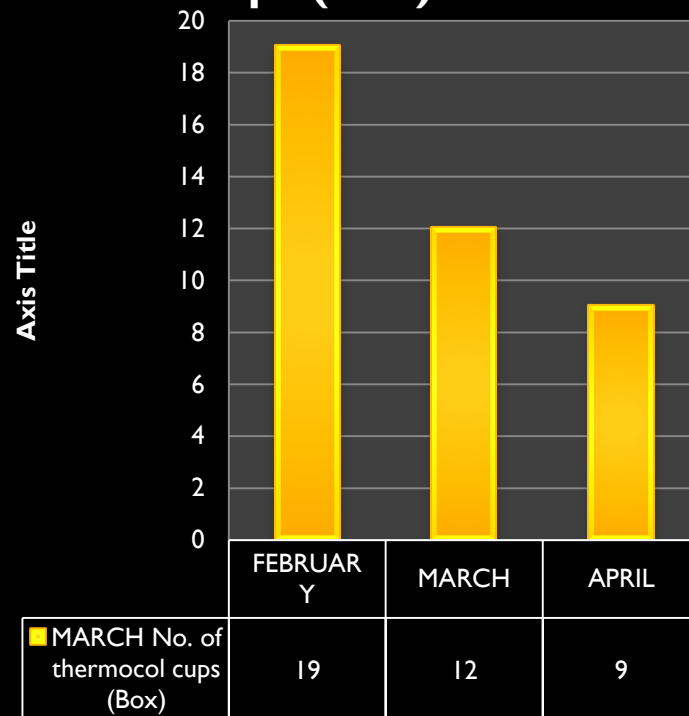
Tissue Box Consumption



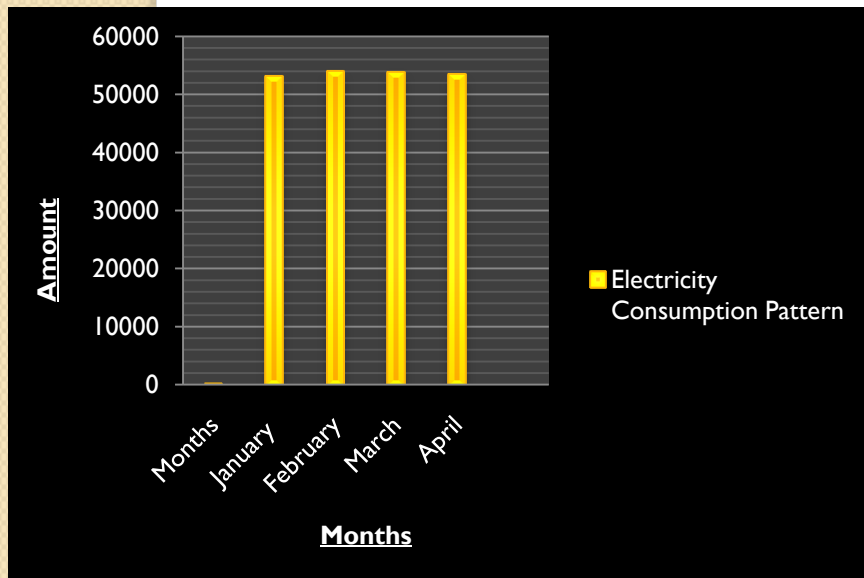
FEBRUARY No. of Plastic cups (Box)



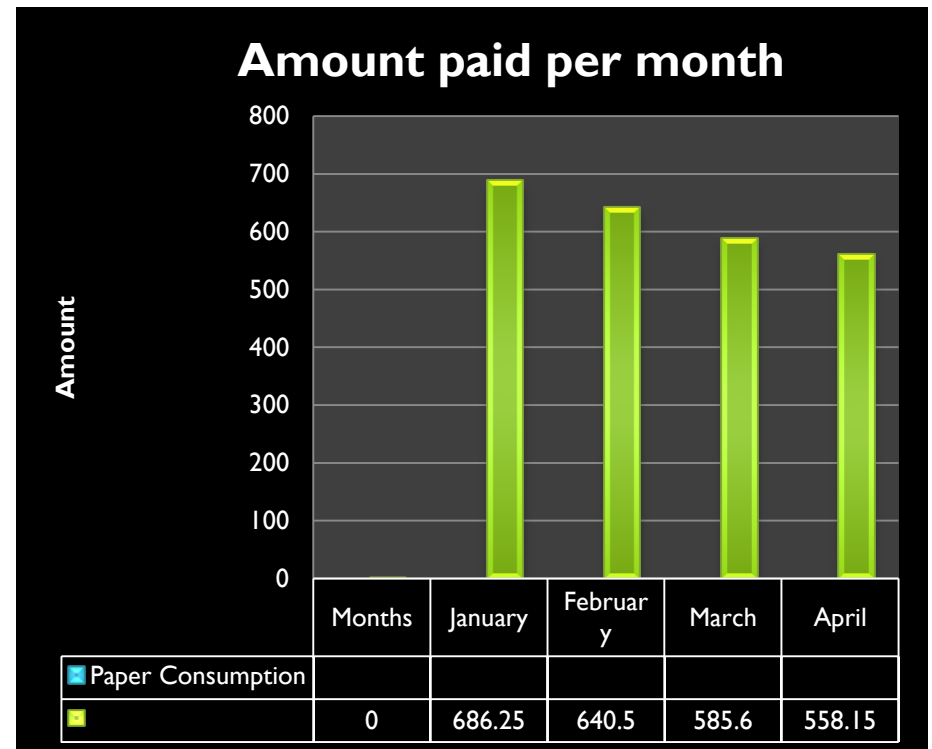
MARCH No. of Foam cups (Box)



	Electricity Consumption Pattern
Months	Amount Paid
January	52889
February	53703
March	53641
April	53211



	Paper Consumption		
Months	No. of Reams	Cost per Ream in AED	Total Cost
January	75	9.15	686.25
February	70	9.15	640.50
March	64	9.15	585.60
April	61	9.15	558.15



CONCLUSION

- “Going Green” was one of the most interesting topics for me as a person because I have that feeling of accountability and responsibility towards the coming generation.
- This ‘Go Green’ project has demonstrated that an initiative does not require a huge sum of money in order to be successful, and that a well-established strategy and process is the key, to a long-lasting impact. It also demonstrated that time is a precious commodity and because it is so precious, donating time to further a charitable cause, can be a tremendously valuable contribution, one that is much more valuable than the one that could be made through traditional philanthropy
- A good reputation is more valuable than money. Specifically in a place like Dubai to be registered as Green Organization with DEWA and being honored by it, is a big success.
- Hospitals can become trend setters by building and operating energy efficient buildings and we can proclaim our commitment to promote health without damaging ecosystems. By creating and adopting green building standards, hospitals and healthcare providers can make a clear and bold statement that- They Really Care!
- So, in the end I would just say that it was an awesome learning experience and worth doing it as it has just not added value to the organization in terms of electricity or water or paper consumption bills but has also refined me as a person who has some responsibilities towards Mother Earth. This also helped in increasing patient as well as staff satisfaction along with mine...☺, as they were also involved in the events rather were active participants in them.

