ROLE OF HOTELS IN ECOTOURISM INITIATIVES

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WHAT A SHAME !!
FUNDAMENTAL CONCEPTS

1. CONCEPT OF PERPETUAL SUSTAINABILITY
   - Why only Long Term
   - Future Generations

2. TOURISM / HOTELS
   HIGH CONSUMPTION OF ENERGY & RESOURCES
   HIGH WASTAGE AND POLLUTANTS

3. HIGHER EXPERIENCE - HIGHER COST

4. UNCONTROLLED TOURISM & HUMAN INTERVENTION – CLIMATE CHANGE
   - 2030 DESERT -2 EARTHS
   - ICEBERG MELTING-100 TIMES FASTER
IDEAL CYCLE OF PERPETUAL SUSTAINABILITY

EARTH (MINERALS & METALS)

WATER

AIR

SUN, (LIGHT & ENERGY)

CONSUMED

MAN

ANIMAL

PLANT

RECYCLES/ AIR

SOLID & LIQUID WASTE & GAS

EFFORT TO CONVERT & RECYCLE

FERTILIZER

RECYCLED MATERIAL

ENERGY

WATER/GAS

ZERO WASTE

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WHERE ARE WE WRONG ??

1. SHEER **PRESSURE** OF POPULATION GROWTH CAUSING HIGH RATE OF DEPLETION OF NATURAL RESOURCES

2. BASIC **HUMAN GREED** TO CONSUME MORE & MORE

3. LACK OF **EDUCATION, AWARENESS & SENSITIZATION**

4. AT THE **CONVERSION** AND **RECYCLING** STAGE IN THE CYCLE OF PERFECTUAL SUSTAINABILITY.
WHY HOTELS ??

1. NEED FOR BEING RESPONSIBLE – HIGH PRODUCTION OF POLLUTING BY PRODUCTS
   - CHEMICAL OILS, PLASTICS, WET & DRY GARBAGE
   - REDUSE, REUSE, RECYCLE CONCEPT

2. CONTRIBUTES TO BOTTOM LINE – HLP IS 12-13% OF SALE
   EXAMPLE SALE – 10 CRORES.
   ENERGY COST – 1.2 CRORES
   IF WE SAVE 20% - 24 LAKHS – DIRECTLY TO PROFIT.

3. COST, EFFICIENCY, LEADERHSIP BY EXAMPLE.
4. SET NEW BENCHMARKS & BEST PRACTICES FOR OTHERS TO EMULATE
5. EFFICIENCY ENHANCES LIFE OF MACHINE. THUS REDUCING
   LIFE CYCLE COST VS. UPFRONT COST (WHICH IS HIGH)

HOWEVER CONSERVE ENVIRONMENT WITHOUT COMPROMISING GUEST EXPERIENCE
1. GARBAGE SEGREGATION AT SOURCE
2. STRICT CONSERVATION ENFORCEMENT BY LAYING GUIDLINES.
3. NO COMPROMISE ON ENVIRONMENT MATTERS.
4. LONG TERM PLANS – NOT SHORT TERM PROJECTS.
5. TRAINING OF STAFF INTERNAL WORKSHOP
6. IDENTIFY ECONOMIC BENEFIT & COMMUNICATE.
7. SHARE BEST PRACTICES.
8. MAKE IT A CSR INITIATIVE.
9. ENERGIZE & REWARD CREATIVE IDEAS – ENCOURAGE PARTICIPATION.
GUIDELINES FOR ECOTOURISM PROJECTS

- **INFRASTRUCTURE**
  - REUSE **LOCAL BUILDING MATERIALS** FOR THE CONSTRUCTION OF THE BUILDING.
  - USE **LOCALLY MANUFACTURERED PRODUCTS & HANDICRAFTS** FOR HOTEL INTERIORS.
  - USE **OF NATURAL MATERIELS** FOR **PAINTING WALLS** ETC – AVOID CHEMICALS
  - **WHITE AND / OR REFLECTIVE ROOF & GLASS** – **SOLAR ENERGY**
  - **PLANTATION INSIDE THE HOTELS, LODGES AND RESORTS BOUNDARY.**
GUIDELINES FOR ECOTOURISM PROJECTS

AIR

• INDOOR PLANTATION, AVOID ARTIFICIAL ROOM FRESHENER

• REGULAR SERVICING AND CLEANING OF THE AIR FILTERS IN THE ROOMS AND COMMON AREAS.

• USAGE OF NON OR LESS CARBON EMITTING EQUIPMENTS

• INSTALLATION OF PROPER VENTILATION & TEMPERATURE CONTROL SYSTEM.

• NON-SMOKING AREA SIGNAGES.
GUIDELINES FOR ECOTOURISM PROJECTS

➢ WATER

➢ **RAIN WATER** HARVESTING.

➢ **WATER RECHARGE** SYSTEM.

➢ **SOILED/ GREY WATER RECYCLING AND REUTILIZATION & GROUND WATER PURIFICATION.**

➢ **CHANGING TOWELS, SHEETS AND OTHER LINEN ON DEMAND.**

➢ **REGULAR CHECKING OF WATER DISTRIBUTION CHANNELS FOR LEAKS.**

➢ **ENCOURAGE AND MOTivate STAFF FOR WATER CONSERVATION.**

➢ **SAVE DRINKING WATER - PRACTICES**
GUIDELINES FOR ECOTOURISM PROJECTS

➢ ENERGY

➢ USE ENERGY SAVING LIGHTING TECHNIQUES & USE OF ENERGY EFFICIENT TOOLS.- SOLAR COOKING

➢ USE OF SOLAR LIGHTING.

➢ USE GAS OR INDUCTION RANGES INSTEAD OF ELECTRIC RANGES.

➢ SIGNAGE TO ENCOURAGE AND MOTIVATE GUESTS FOR ENERGY CONSERVATION.

➢ ENCOURAGE AND MOTIVATE STAFF FOR ENERGY CONSERVATION.

➢ PROPER MAINTENANCE OF CHILLED WATER ETC, PIPELINES
GUIDELINES FOR ECOTOURISM PROJECTS

WASTE

- **SEPARATE COLLECTION AND DISPOSAL OF WASTE PRODUCED.**
  - PLASTICS / BURN.?
  - WET GARBAGE - Composte
  - DRY WASTE - Recycle

- **USE OF REUSABLE OR RECYCLABLE PRODUCTS.**

- **REUSE PAPERS** WHICH HAVE ALREADY BEEN PRINTED ON ONE SIDE.

- **USE OF REUSABLE CLOTH** FOR LAUNDRY BAGS.

- **USE NATURALLY SCENTED, NON-TOXIC, PHOSPHATE-FREE, BIO-DEGRADABLE CLEANING PRODUCTS FOR HOUSEKEEPING.**

- **ENCOURAGE AND MOTIVATE STAFF FOR WASTE CONSERVATION.**
GUIDELINES FOR NATURAL / WILDLIFE LODGES

➢ SEWAGE

• EITHER CONNECTIVITY WITH PUBLIC SEWAGE LINE OR ONSITE SEWAGE TREATMENT PLANT.

• RECYCLE OR REUSE SEWAGE WASTE / WATER.

➢ PROHIBITED

➢ USE OF FIRE WOOD

➢ DISCHARGE OF AFFLUENTS AND SOLID WASTE IN NATURAL WATER BODIES OR TERRESTRIAL AREA

➢ CONSTRUCTION ACTIVITY- 300 METERS FROM THE BOUNDARY WALL OF THE PARK
RECOMMENDED

- RAIN WATER HARVESTING
- ORGANIC FARMING
- USE OF RENEWABLE ENERGY SOURCES
- ADOPTION OF GREEN TECHNOLOGIES FOR ALL ACTIVITIES
- REDUCE, REUSE, RECYCLE
- LOCAL FOOD PRODUCTS – MINIMISE CARRYING COST
SOME NEW IDEAS AND PRACTICES

1) NO TUB – SHOWER CUBICLE – NOT GLASS – HIGH MANUFACTURING ENERGY BUCKET BATH *(Embedded Energy)*
2) LOW FLOW SHOWERS & TAPS/ DUAL SYSTEM WC/ WATERLESS URINALS
3) WATER & ELECTRICITY METER FOR GUEST – MOTIVATE.
4) DIVERT COLD WATER BACK IN SYSTEM BEFORE HOT WATER COMES.
5) AIRCRAFT STYLE TOILETS IN ROOMS (Need Suction).
6) SMALL MIRROR SIZE – HIGH EMBEDDED COST.
7) USE RUBBER WOOD – NOT TROPICAL FOREST WOOD.
8) REDUCE ROOM SIZE & HEIGHT OF ROOM – AC COST.
9) SOLAR REFLECTORS ON WINDOWS – GENERATE POWER.
10) REMOVE FRIDGE (ON DEMAND).
11) ALLUMINIUM / STEEL – HIGH EMBEDDDED COST.
SOME NEW IDEAS AND PRACTICES

12. **MINIMIZE** QUEEN / DOUBLE BEDS – JOIN SINGLES
   (LINEN WASHING)
13. **COTTON** MATTRESS – NO FOAM – A C IMPACT.
14. **NO BLANKET OR DUVEE** – AC IMPACT.
15. **NO SUITS / TIES** – CONFERENCE
   - WORK
   (A.C – IMPACT)
16. **PRESET** A.C. AT 21 DEGREE CENTIGRADE
17. **NO FLOWERS** – LIVE POTTED PLANTS.
18. **HAND MADE & RECYCLED PAPER**.
19. **CFL / LED LAMPS USE**.
20. **SINGLE NEWSPAPER** – ADDITIONAL ON DEMAND
21. **BAN** ON USE OF **PLASTIC** SACHETS OF SHAMPOO, SOAP, OIL ETC
22. **WATER SERVICES AT REQUESTS** – **NO BOTTLES**

BACK TO BASICS ?
REDUCE

REUSE

RECYCLE

Use sides of every piece of paper
Repair
Redeem
Reclaim

Reduce
Reuse
Recycle

Rethink
Reform
Renew

Recharge
Recover
Recap

Rebuild
Revive
Recreate
#6 You Can Often Find This Kind Of Toilet In Japan. Wash Your Hands And Reuse The Water For Your Next Flush
Humble request

By the next 10 years, Earth will become 4 degrees hotter than its now. Himalayan glaciers are melting at a rapid rate, so all of us lend our hand to fight global warming. Plant more trees, don't waste water. Don't use or burn plastics. Pl don't delete message without forwarding atleast one.... or lakh people. Because one can't fight against the global warming.

Thank you
To achieve results

- **Incentives to guest.**

- **Incentives to staff.**

- **Constant feedback & incentives** to manufacturers, vendors, distributors, architects

- **Innovate statistics** – average consumption per guest (ARR ?) – Set reduction targets.

- **Appoint energy auditor**

- **Energy saved** also saves – distribution, transmission losses.

- **Impacts on costs**
ABOVE ARE SOME THOUGHTS
PLENTY MORE
LET'S WORK TOGETHER
THANK YOU