

# Role of Librarians in Disseminating Energy Management-related Information

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**Dr. Vijayakumar, K. P.**  
Associate Professor and Hon. Director  
Centre for Information Literacy Studies  
University of Kerala  
[kpvijayakumar@teacher.com](mailto:kpvijayakumar@teacher.com)

## **Role of Librarians**

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- ❑ The idea that we live in an information society is commonplace today.**
  - ❑ The information society is one in which the communication of information is one of the key activities.**
  - ❑ Here, where information is a key factor in economic development.**
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## **Role of Librarians...**

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- Therefore, professional librarians must be people equipped with a variety of skills to help people to perform diverse roles like:**
    - accessing information so as to enable them to acquire knowledge**
    - develop good governance and democracy**
    - alleviate poverty**
    - exploit technological change, and**
    - maintain social equality.**
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## **Role of Librarians...**

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- In spite of the rapid growth in both the scope and diversity of information available today, the development of information services has not been the same everywhere.**
  - A large factor in development, or under-development, of information services in any given country is related to the importance of such services in its decision-making process.**
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## **Role of Librarians...**

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**Representative examples of librarian's responsibilities:**

- ❑ Researching topics of interest for their clients.**
  - ❑ Referring patrons to other community organizations and government offices.**
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## Role of Librarians...

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- ❑ Suggesting appropriate documents ("readers' advisory service") for users of different reading levels, and recommending materials for recreational reading.
  - ❑ Facilitating and promoting reading clubs.
  - ❑ Developing programs for library users of all ages and backgrounds.
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## **Role of Librarians...**

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- Managing access to electronic information resources.**
  - Building collections to respond to changing community needs or demands.**
  - Writing proposals to gain funding for expanded program or collections.**
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## **Role of Librarians...**

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- ❑ Digitizing collections for online access**
  - ❑ Answering incoming reference questions via telephone, postal mail, email, fax, and chat.**
  - ❑ Making and enforcing computer appointments on the public access Internet computers.**
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# Role of Librarians...

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- Librarians will be called upon to provide authentic and reliable information, evolve strategic alliances, participate in network activities and contribute to the bridging of the digital divide.
- They will emerge as technology experts, guides, scouts, researchers, analysts, knowledge engineers, editors, navigators, gatekeepers, brokers and asset managers.

## **Role of Librarians...**

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- ❑ Conclusively, librarians will need to acquire new skills to access net resources, and develop new strategies and services to meet the challenges of the knowledge age.**
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# Ministry of Environment and Forests

GOVERNMENT OF INDIA



जहाँ है हरियाली ।  
वहाँ है खुशहाली ॥

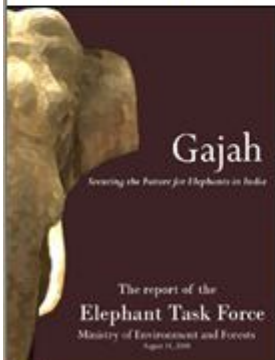
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हिन्दी

## Elephant Task Force Report Gajah Submitted

New Delhi, 31st August, 2010



A major Report on securing the future for the Elephant in India was today submitted to the Minister of Environment & Forests. The Report lays out a comprehensive action agenda for protecting elephants in the wild and in captivity, and for addressing human-

## Society to implement India's major Coastal Zone Management Project launched

New Delhi, 15th September, 2010



In a strong show of support, the Minister inaugurated the office of the Society of Integrated Coastal Management (SICOM). This will be the nodal agency for the Integrated Coastal Zone Management Project (ICZM) being implemented by the Government

## Homepage Archives | CAMPA

### India Wildlife Slideshow Ranthambhore National Park



## *Paryavaran Abstracts*

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- It is a quarterly publication of the ENVIS programme of Govt. of India.
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# Paryavaran Abstracts

(Reporting Current Indian Literature on Environment Sciences)

Published Quarterly

[Archives](#)

## Current Issue



## Contents

Vol. 22	Nos. 1-4	2005
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Sr. No.	Description	Files		
1	General Information	[htm]	[pdf]	[word]
2	Abstract Format	[htm]	[pdf]	[word]
3	Abbreviations Used	[htm]	[pdf]	[word]
4	Request for Reprints	[htm]	[pdf]	[word]
5	Availability of Reprints & Publications	[htm]	[pdf]	[word]
	Abstracts			
6	Environmental Management	[htm]	[pdf]	[word]
7	Air Pollution	[htm]	[pdf]	[word]

# Energy Experts

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- ❑ Energyexperts.org includes a selection of objective and timely information on energy efficiency and renewable energy in all building types for building owners, operators and occupants or energy program providers.
  - ❑ Search the [Energy Solutions Database](#) for information on technologies and best practices.
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# Energy Experts...

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- **The energyexperts team has energy engineers, specialists and librarians who select objective and timely content from expert organizations around the country and the world.**
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energy experts



Ask an Expert



Community



News & Feeds

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- Energy Solutions Database
- Calculators & Tools**
- Training, Education and Employment
- Utility Resources
- Energy Experts

# Calculators & Tools

## Our Tools

These are tools developed by energyexperts partners.

- [Air Conditioning Cost Calculator](#)
- [Heating Cost Calculator](#)
- [Pumping System Efficiency Calculator](#)



Calculators & Tools

- Training, Education and Employment
- Utility Resources
- Energy Experts eNews
- Inventors

OUT TOOLS

These are tools developed by energyexperts partners.

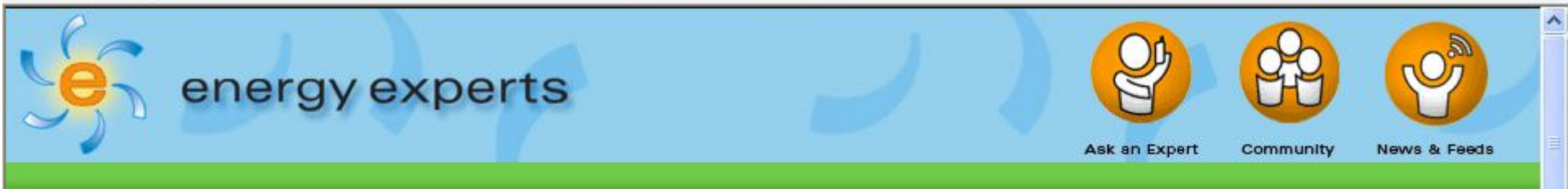
- [Air Conditioning Cost Calculator](#)
- [Heating Cost Calculator](#)
- [Pumping System Efficiency Calculator](#)

More Tools

There are many software and online tools for calculating energy use, savings, sizing, optimization and other functions. The following list is from our **Energy Solutions Database**. Please [Contact Us](#) if you have useful and objective tools to recommend.

[Software and Online Tools](#)





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Home

# News and Feeds

About Us

There are many sources of energy efficiency and renewable energy news. This is a selection of resources we find particularly useful.

Energy Solutions Database

Click **Show** to expand each feed view.

Calculators & Tools

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U.S. Department of Energy -- Office of Energy Efficiency and Renewable Energy

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# Reegle...

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- ❑ Reegle - **the Search Engine for Renewable Energy and Energy Efficiency**
  - ❑ Searching clean energy information sources which are reviewed by experts
  - ❑ Connecting Actors and stakeholders by providing organization details
  - ❑ Showing sustainable energy related topics on a global map
  - ❑ Providing on site reports from key events in a clean energy blog.
-



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web map actors

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### reegle - the Search Engine for Renewable Energy and Energy Efficiency

- searching clean energy information sources which are reviewed by experts
- connecting actors and stakeholders by providing organisation details
- showing sustainable energy related topics on a global map
- providing on site reports from key events in a clean energy blog

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# COMMEND

(A Community for Sustainable Energy Analysis)

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- COMMEND (**COMM**unity for **EN**ergy environment & **D**evelopment) is an international initiative designed to foster a community among energy analysts working on energy for sustainable development.
  - COMMEND is managed by the U. S. Centre of the Stockholm Environment Institute (SEI) in collaboration with four leading international institutions.
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COMMEND is an initiative of the Stockholm Environment Institute.

### Energy & Climate News

[New report seeks to improve climate forecasts](#)

From farmers to government officials in charge of efficiently managing Earth's precious water and energy resources,

## September 2010

**Please join our COMMEND community!**  
Membership is free and let's you post messages, download LEAP and get access to additional features such as the interactive members map. Already a member? [Click here to log in](#)

**The Massachusetts Global Warming Solutions Act (GWSA)**  
LEAP is now being used by the State of Massachusetts to develop a new energy and climate mitigation plan for meeting its ambitious 2020 and 2050 goals for GHG reductions. [Access the MASS DEP web site here.](#)

### New Version of LEAP for Windows 7

Google™ Custom Search



SEI's software for en planning and climate change mitigation.  
[Read more](#) [Downlo](#)

**37 Members Visit in the Past 24 Ho**

# Natural Resources Canada

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- ❑ NRC is the Ministry of the Government of Canada responsible for natural resources, energy, minerals and metals, forests, earth sciences, mapping and remote sensing.
  - ❑ Natural Resources Canada (NRCan) works to ensure the responsible development of Canada's natural resources, including energy, forests, minerals and metals.
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- Home
- NRCan...
- + Earth Sciences
- + Energy
- + Forests
- + Minerals & Metals
- Focusing on...
- The Department
- Students and Educators
- Sustainable Development
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THE SCIENCE OF SURVEYING UNDER THE SEA

1 2 3 || ▶ National Forest Week

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- Career Opportunities
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- Library
- Natural Elements
- Newsletter
- Public Consultations
- Publications and Reports
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**From the Newsroom**

**Government of Canada Invests in Wind Energy in Quebec** [September 14, 2010]



# The Energy and Resources Institute (TERI)

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- TERI was formally established in 1974 with the purpose of tackling and dealing with the immense and acute problems that mankind is likely to face within the years ahead
    - on account of the gradual depletion of the earth's finite energy resources which are largely non-renewable and
    - on account of the existing methods of their use which are polluting.
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## About TERI

Our works touches  
the lives of **Millions**  
and embraces  
every significant  
aspect of  
**Sustainable Development**



Introduction Staff Locations Green Buildings Careers

TERI was formally established in 1974 with the purpose of tackling and dealing with the immense and acute problems that mankind is

## TERI...

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- TERI has, therefore, grown to establish a presence not only in different corners and regions of India (**perhaps the only developing country institution**) to establish its presence in North America, Europe and on the Asian continent in Japan, Malaysia and the Gulf.
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## TERI...

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- ❑ The Institute established the TERI University in 1998.
  - ❑ Initially set-up as the TERI School of Advanced Studies, it received the status of a deemed university in 1999.
  - ❑ The University is a unique institution of higher learning exclusively for programmes leading to Ph. D. and Masters level degrees.
  - ❑ Its uniqueness lies in the wealth of research carried out within TERI making it a genuinely research based University.
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## Energy Database

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- Energy Technology Data Exchange (ETDE) is an international energy information exchange agreement formed in 1987 under the International Energy Agency (IEA).
  - *ETDE's Energy Database* is the largest collection of energy research and technology literature in the world.
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## Energy Database...

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- ❑ With a growing total of over 4 million abstracted and indexed records in the full collection, users have access to a wealth of information contributed by ETDE's member countries and international partners.
  - ❑ ETDE began the database in 1987.
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## Energy Database...

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- ❑ ETDE's database information can be accessed through a number of different systems.
  - ❑ The principal system directly available from the ETDE site is *ETDEWEB*.
  - ❑ Information comes in from various sources, including directly from members and from various international partners.
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## Energy Database...

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- ❑ The database contains bibliographic references to journal articles, reports, conference papers, books, web sites, and other miscellaneous document types.
  - ❑ A link to where the full text can be obtained is also provided within the records.
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# Energy Database...

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- ❑ Some of the main areas include:
    - information on energy R&D;
    - energy policy and planning;
    - basic sciences (e.g., physics, chemistry and biomedical) and materials research;
    - the environmental impact of energy production and use, including climate change;
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# Energy Database...

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- energy conservation;
  - nuclear, coal and fossil fuels;
  - renewable energy technologies (e.g., solar, wind, biomass, geothermal, hydro) and much, much more.
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# Energy Database...

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- ❑ In addition to the energy research and technology information from member countries, the database contains citations published worldwide regarding nuclear, coal, and global climate change information.
  - ❑ This broader coverage comes through cooperation with other international organizations.
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# Energy Citations Database (ECD) (1948 +)

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- Citations to scientific and technical reports of the U.S. Atomic Energy Commission, U.S. Energy Research and Development Administration and its contractors, other agencies, universities, and industrial and research organizations.
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# Dept. of Energy "Opennet"

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- ❑ Dept. of Energy "Opennet" will include references to all Department of Energy (DOE) documents declassified and made publicly available after October 1, 1994.
  - ❑ New references will be added periodically as they are available.
  - ❑ In addition to these documents, *Opennet* references older document collections from several DOE sources.
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# Compendex (EI Compendex Plus 1884+)

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- ❑ Extensive bibliographic database of engineering research.
  - ❑ Indexes journal papers and conference proceedings.
  - ❑ The broad subject areas of engineering and applied science are comprehensively represented.
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# INSPEC (1896+)

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- Major bibliographic database concentrating on physics, electrical and electronic engineering, information technology, computer and control systems, and manufacturing, production engineering, and information technology.
  - *Chemical Abstracts* (1907+), labeled as SciFinder Scholar is coming in electronic format to most public computers.
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# Applied Science and Technology Abstracts Full Text (1913+)

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- General science and technology articles from English-language periodicals published in the United States and elsewhere; non-English language articles are included if English abstracts are provided.
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# NTIS (1964+)

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- ❑ Source for accessing unclassified reports from U.S. and international government agencies.
  - ❑ The database provides access to over two million critical citations from government departments such as NASA, the U.S. Department of Energy and the U.S. Department of Defense.
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# Landolt-Bornstien, New Series, Group VIII

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- Group VIII includes energy technologies, laser physics and applications, materials, physical properties of liquid crystals and radiological protection
-

## **Green building**

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**"A green building is one which uses less water, optimises energy efficiency, conserves natural resources, generates less waste and provides healthier spaces for occupants, as compared to a conventional building."**

**India celebrates 20–26 Sep. 2010 as world green building week.**

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# Indian Green Building Council

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- ❑ Indian Green Building Council (IGBC) is a part of CII-Godrej Green Business Centre, which is actively involved in promoting the Green Building movement in India.
  - ❑ The Council is represented by all stakeholders of construction industry comprising of corporate, government & nodal agencies, architects, product manufacturers, institutions, etc.
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## **Indian Green Building Council...**

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- The vision of the council is to serve as single point solution provider and be a key engine to facilitate all Green Building activities in India.**
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## Articles (Download PDF format)

[Energy saving tips- home appliances](#)

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[Six Steps to Prevent Indoor Air Pollution in Your Home](#)

[Indian Green Building Movement - On the Move](#)

[LEED emerging technologies](#)

[LEED Rated Green Buildings in 2006-2007](#)

[Cost of Green Revisited](#)

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# Articles (Download PDF format)

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[Energy saving tips- home appliances](#)

[Hotels Face Challenges](#)

[Latest on Green Buildings](#)

[Green0007](#)

[Vehicular pollution article](#)

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## **Green libraries**

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- Green libraries are a part of the larger green building movement.**
  - Also known as sustainable libraries, green libraries are being built all over the world with many high profile projects bringing the concept into the mainstream.**
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## Green libraries...

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- ❑ Along with library 2.0, green design is an emerging trend, defining the library of the 21st C.
  - ❑ Many view the library as having a unique role in the green building movement due to the fact that new libraries are usually high profile, community driven projects.
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## Green libraries...

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**□ Factors that make the library green are:**

- 1. Minimizing the negative impact the building will have on the local environment, and if possible having a positive impact.**
  - 2. Reducing the use of water and energy by designing in a way that maximizes the use of natural and renewable resources.**
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## **Green libraries...**

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- 3. Integrating actual greenery and vegetation into the building and site design; Preferably, using drought resistant and/or native vegetation, and,**
  - 4. Maintaining high standards of indoor air quality to help ensure the health of the people who inhabit the building.**
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## Green libraries...

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### How to make them green?

- Site selection
  - Water conservation
  - Energy conservation
  - Building materials
  - Indoor air quality
-

## Green libraries...

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- **A typical example of a green library is National Library, Singapore.**

- It is designed using light shelves that allow the light to filter into the library, without having any harsh effects.

- During the moments that the sun is either too bright or not bright enough, sensors are programmed to dim or brighten the lights, and raise and lower the shades to maximize comfort and reduce costs.

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## **Green libraries...**

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- Other examples are:**
    - Minneapolis Public Library**
    - University of California, Merced  
Kolligian Library**
    - Seattle Central Library**
    - Minneapolis Public Library**
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# TERI...

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## *TERI's Green Buildings: Leading by Example*

- ❑ TERI fulfills its mandate of sustainable development by advocating the concept of green buildings, which register minimal impact on the environment.
  - ❑ In practising what it preaches, TERI has constructed its buildings, in Gurgaon, Bangalore and Mukteshwar, along these lines.
  - ❑ Resource- and energy-efficient, these habitats are exemplary constructs demonstrating the sustainable implementation of green practices.
-

## TERI...

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- ❑ TERI has also introduced GRIHA, a rating system to adjudge the 'greenness' of buildings, in order to **popularize** this initiative.
  - ❑ The TERI buildings include:
  - ❑ *RETREAT (Resource Efficient TERI Retreat for Awareness and Training) at Gurgaon, Bangalore and Mukhteswar.*
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**Thank You**

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