



प्रश्न की संख्या
दीजिए
Enter number
of question

Introduction :

Green Buildings - the best way to tackle the climate change and reduce carbon emissions by 40% as per the World Business Council for Sustainable Development.

Benefits of Green Buildings :

(i) Environmental Benefits

- Reduce wastage of water
- conserve natural resources
- Improve air and water quality
- Protect Biodiversity and Ecosystems

(ii) Economic Benefits :

- Reduce operating costs
- Improve occupant productivity
- create market for green product and services

(iii) Social Benefits :

- Improve quality of life
- minimize strain on local infrastructure
- Improve occupant health and comfort

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हाशिए में नहीं
लिखना चाहिए
Candidates
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U.P.S.C.

Why Green Buildings ?

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(i) According to IPCC reports
energy efficient buildings
reduce energy demands by 40%.

(ii) India's rating system GRHA
are expected to have energy
savings of 40-60%.

(iii) US Green Building Council
(USGBC) through LEED (Leadership
in Energy & Environmental Design)
focuses on sustainable sites,
water efficiency, environmental
quality, etc.

(iv) Less water consumption is 90 l.
per capita daily while compared
to normal buildings (150 LPCD)

(v) Reduced construction waste to
50% since materials are reused.

Conclusion :

Challenges like limited
awareness, lack of training,
limited knowledge about materials,
etc. if addressed and rectified,
India being the highest
number of green building
construction can further more
improve its environmental quality
in world wide.