



**GREEN BUILDING
MOVEMENT
IN
MYANMAR**

HTET NAING OO
SECRETARY
MYANMAR GREEN BUILDING SOCIETY

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MGBS

Green Building Committee, BEI
Myanmar Green Building Society

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THE MOVEMENT

Yesterday . Today . Tomorrow

01. WHAT & WHY

What is Green Building ?
Why are they needed ?



What is **Green Building** ???



Green Colored ???



With Plants ???



Natural ???

A 'green' building is a building that, in its design, construction or operation, reduces or eliminates negative impacts, and can create positive impacts, on our climate and natural environment.

World Green Building

Council

Criteria

Location and Transportation



Land protection and access to public transportation and green vehicles

Sustainable Sites



Sufficient green open space and light pollution reduction

Indoor Environmental Quality



Use of natural light and efficient air conditioning

Energy and Atmosphere



Optimizing sustainable energy production and metering

Water Efficiency



Indoor and outdoor water reduction

Materials and Resources

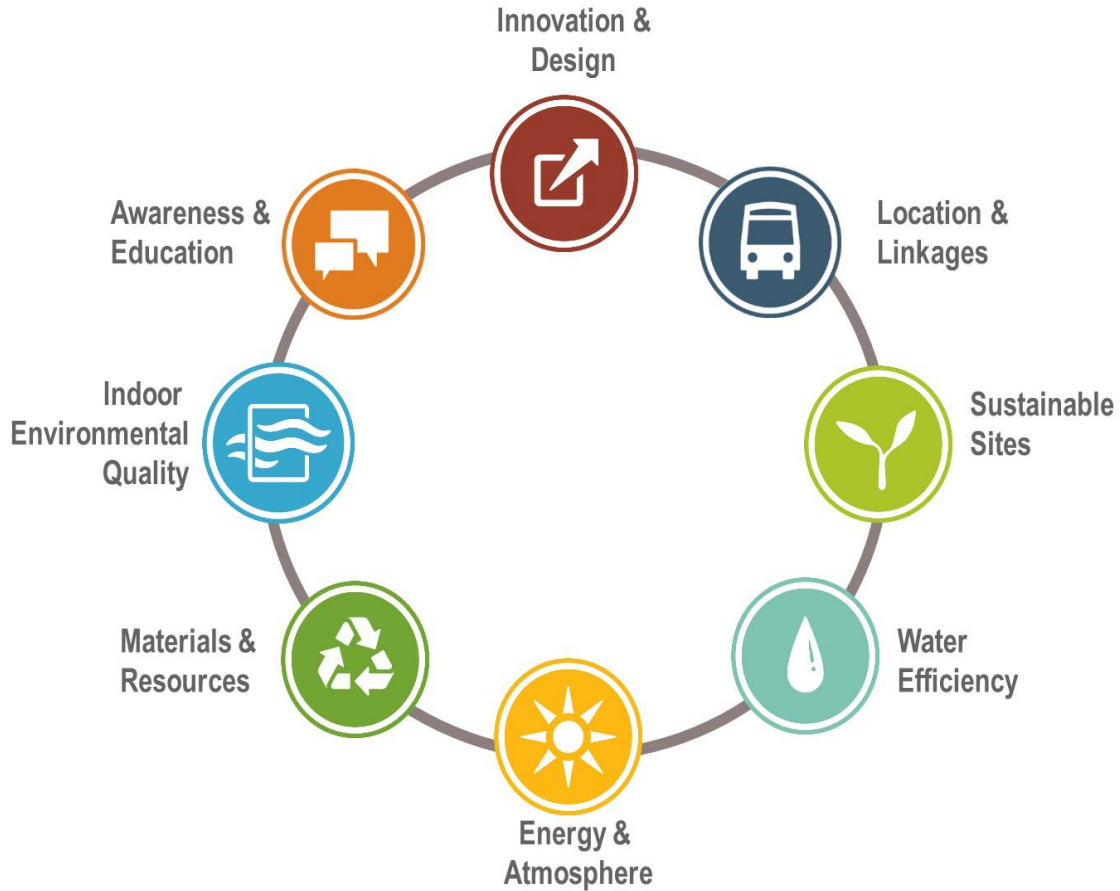



Responsible construction waste management and sustainable sourcing of materials

Innovation



Introduction of novel features and procedures





**Green Buildings
preserve Natural Resources
and improve our quality of life
at the same time .**

**Go Green.
Don't sacrifice
the quality of life.**



02. WHO & FOR WHOM

**Who should go Green ?
For whom is it profitable ?**



FOR
THE PEOPLE
BY
THE PEOPLE

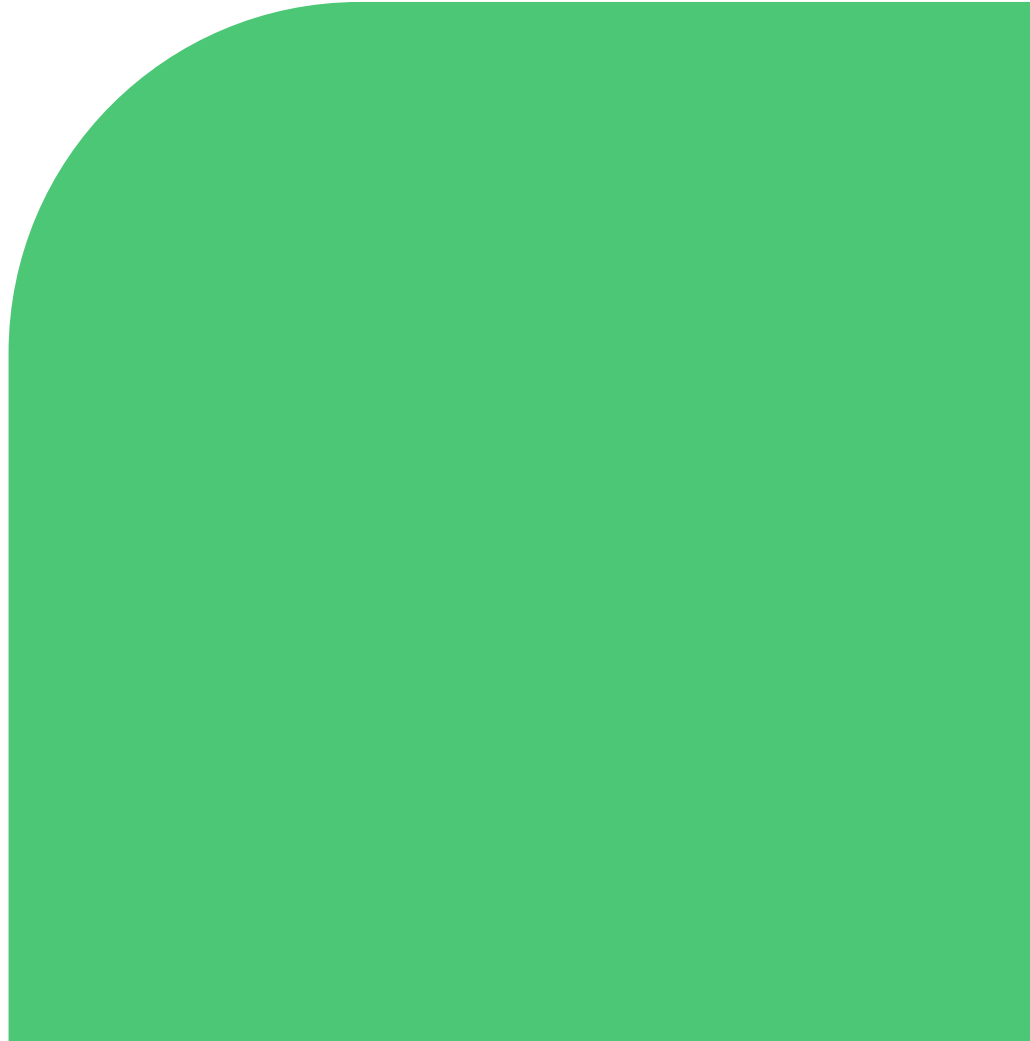


LONG TERM PROFIT FOR GENERATIONS



03. WHERE & WHEN

Where should we build green buildings ?
When should we do it ?



ALL OVER THE WORLD



WORLD GREEN BUILDING COUNCIL



UK GREEN BUILDING COUNCIL



Indian Green Building Council



中国绿色建筑委员会
China Green Building Council



KGBC
KOREA GREEN BUILDING COUNCIL



green building council australia



GREEN BUILDING COUNCIL OF SRI LANKA



T G B I



VGBC | Vietnam Green Building Council
Hội đồng Công trình xanh Việt Nam



malaysiaGBC

NOW
IS
BETTER THAN
LATER



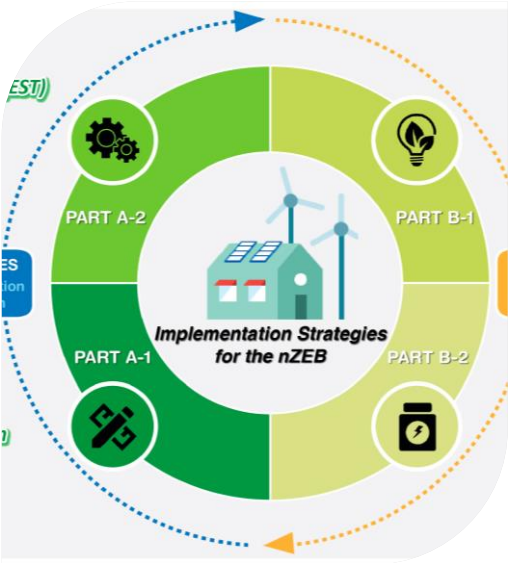
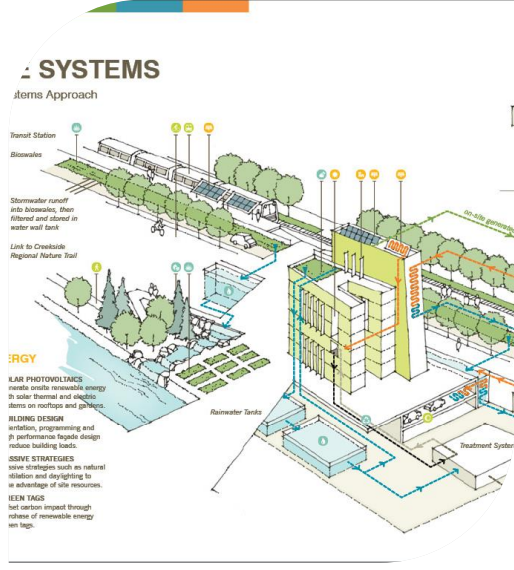



04. HOW ?

**Think Global. Act Local
Strategies**



POLICY MAKERS STAKEHOLDERS AWARENESS PROMOTION SUSTAINABLE



A blue wooden boat is beached on a sandy shore. The background features a clear blue sky and a calm blue ocean. The text is overlaid on a dark grey background.

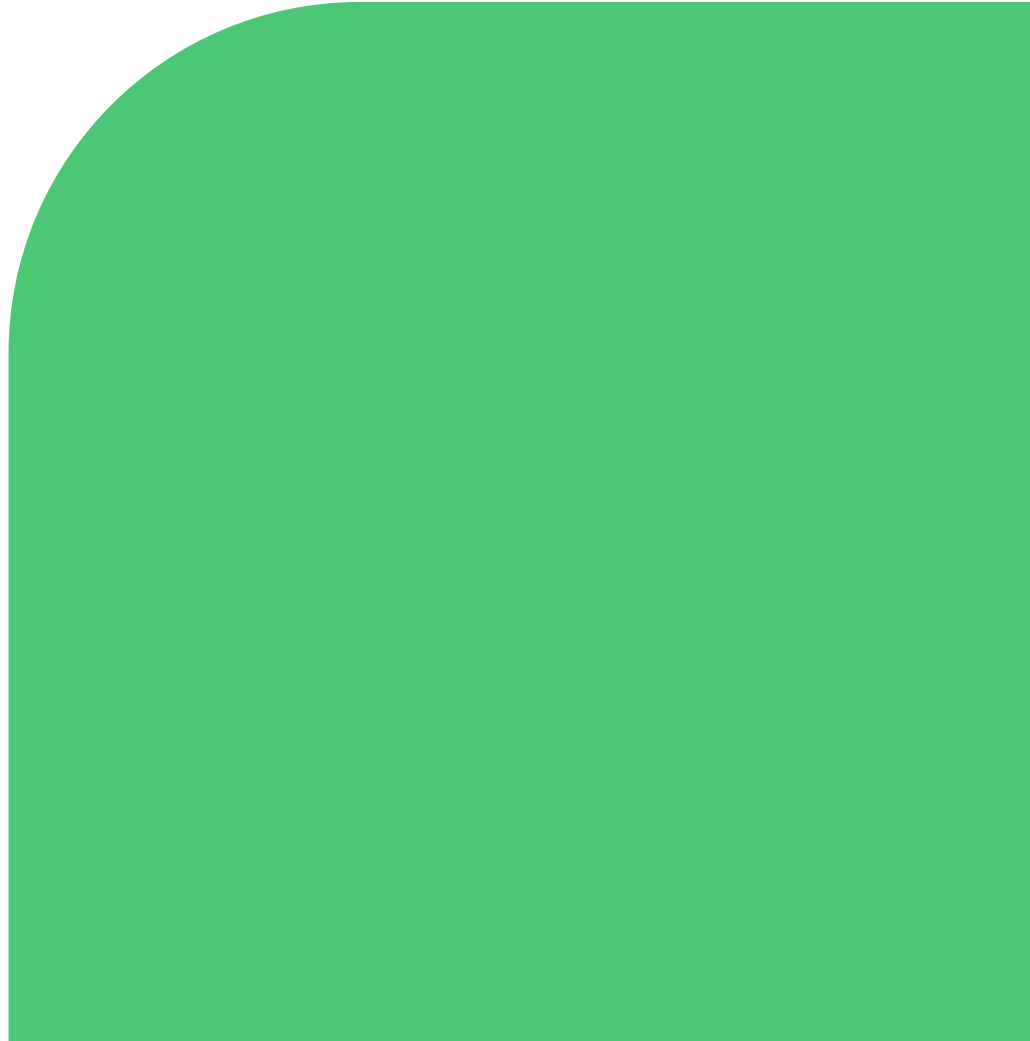
God employs different
strategies for different
places or purposes.

Rick Joyner

“ quote fancy ”

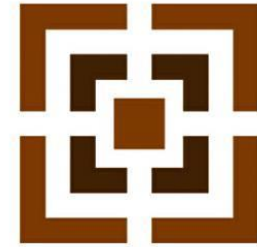
05. MGBS

**Green Building Committee, BEI
Myanmar Green Building Society**



From 2014 to 2020







Our Vision

- We believe green buildings must be at the center of our lives.
- Global climate change tend to us to reshape the way we grow and build in harmony with nature; a transformed built environment leading to our nation's sustainable development goal.

Our Mission

- Lead and accelerate the transformation to high-performing, healthy green buildings, homes and communities to be sustainable and approaching to smart cities throughout Myanmar.

Who we are

Environment problems are not only the concern of future generations – the problem are with us here and now. We suffer higher temperature each year, increased air pollution, fresh water shortages, landslides, drought and floods in different areas.

Current practices of the building industry are major contributors to environmental degradation. We need to raise the awareness of our industry's role in the environmental change and of how we, as responsible humans, can help to mitigate the damage and help to create a genuinely greener future.

The Myanmar Green Building Society (MGBS) was founded in 2019 with the mission to reduce the negative impacts of buildings on our environment.

MGBS has joined hands with like-minded organizations locally and internationally and has committed its efforts to promoting a green building industry in Myanmar. We aim to support the delivery of green buildings and green spaces to create green cities for future generations.

This movement began when the **Green Building Committee (GBC)** was established in 2014 as one of the technical committees of Building Engineering institute. As the GBC grew, its work expanded to include a wider range of services, including supporting the preparation of Green Building Standards for nationwide application. This growing demand on GBC's skills required greater capacity, and so MGBS was formed as an independent organization capable of driving the green agenda forward quickly and effectively.

MGBS brings together an increasing number of professionals from various disciplines, along with commercial companies and investors in the country's infrastructure; together we are committed to transform our industry into a green building industry.

PATRONS

U Aung Myint	U Khin Maung Hlaey
U Nyunt Maung San	Dr. Khin Ni Ni Thein
U Khin Maung Maung	H.E. Daw Nilar Kyaw
U Ohn Myint	U Nyein Kyaw
U Lynn	Dr. Khin Sandar Tun
H.E U Tin Latt	Dr. Khin Than Yu
U Thein Zaw	

FOUNDING MEMBERS & COMPANIES

U Aung Myint	Dr. Khin Sandar Tun
U Khin Maung Maung	U Khin Maung Myint
Prof. Dr. Swe Swe Aye	U Thein Zaw
Prof. Dr. Khin Ni Ni Thein	Engr. Aye Win
Daw Htoo Htoo Ngwe	Daw Akar Chaw
U Myo Thein	U Khin Maung Than
U Win Htoo	Daw Aint Zar Chi Lwin
Daw Chaw Kalyar	U Victor John
Daw Wah Wah Myint Thu	Daw Khaing Zin Aung
Dr. Lily Khaing	U Win Tint
U Htet Naing Oo	U Zin Min Swe
Dr. San Aye Khaing	U Zeya Lin
Dr. Kay Khaing Ye Myint	Dr. Kyaw Zaya Htun
Daw Thazin Soe	U Khin Maung Myint
Daw May Thu Win	U Myo Myint
H.E. U Tin Latt	Daw Thandar Tun
U Soe Myint	H.E. Daw Nilar Kyaw
U Khin Maung Htaey	U Ye Gaung Nyunt
U Lin	Dr. Khin Than Yu
U Hla Hlay	Daw Ohn Myint
U Po Aye	U Aung Thein Paing
Dr. Zaw Win	U Aung Kyaw Soe
U Ohn Myint	Daw Aye Myat Su
U Htain Lin Oo	U Kyi Soe
U Tin Maung Naing	U Nyein Aung

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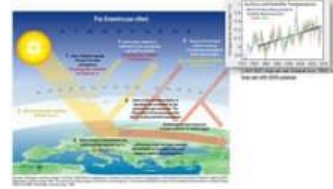
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ACTIVITIES



Importance of Green Buildings

Global Warming by Greenhouse Gas Effect



Climate Change Consequences



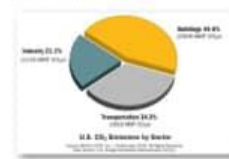
Climate Change Consequences



Global Environmental Impact of Buildings

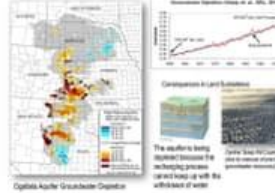


Carbon Emission Contribution



~10% of CO₂ emitted for every kWh electricity produced.

Ground Water Depletion



Construction Materials' Environmental Impact



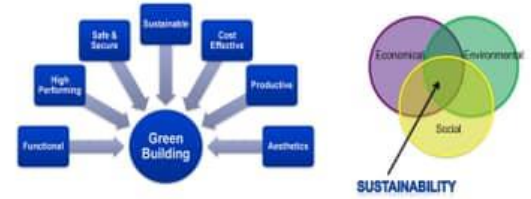
Construction Materials' Environmental Impact



Credit to Thazin Soe

Green Buildings and Benefits

What is Green Building?



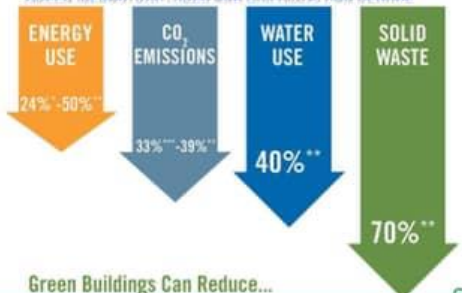
Saving energy, water and natural resources without compromising human comfort, Safety and productivity!!

- Whole Building Approach in 5 Key Areas of Human & Environmental Health

1. Sustainable Environment
2. Water Savings
3. Energy Conservation
4. Material & Resources Reduction
5. Indoor Environmental Quality Improvement



GREEN INFRASTRUCTURES AND BUILDINGS CAN REDUCE



Green Buildings Can Reduce...

Credit to Thazin Soe



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MGBS INTRODUCTION EVENT



SHOT ON MI 6X
MI DUAL CAMERA

EXECUTIVE COMMITTEE MEMBERS





ALL FOR GREEN GREEN FOR ALL

05. THE MOVEMENT?

Yesterday . Today . Tomorrow
Promoting Awareness
Seminar & Knowledge Sharing
Code and Rating System

Exhibition Booth & Seminar @ MyanmarWater 2016



Seminar @ BuildTech Yangon 2017

BuildTech Yangon 2017
Myanmar's Leading Building Technology and Supply Event

**Green Building Committee –
Building Engineering Institute**



Thank You for Your Participation!

BuildTech Yangon 2017
Myanmar's Leading Building Technology and Supply Event

GREEN BUILDING CONFERENCE
19 - 20 May 2017 | Myanmar Convention Centre



Thank You for Your Participation!

BuildTech Yangon 2017
Myanmar's Leading Building Technology and Supply Event

**Green Building Committee –
Building Engineering Institute**



Thank You for Your Participation!

Seminar @ MLCA



Delegation to ASE 2016



Delegation to ASE 2017



Excursion to Metta Bago



Meeting with International Organizations



Meeting with International Organizations



Meeting with International Organizations



Knowledge Sharing



Myanmar Green Building Society

September 15, 2020 · 🌐



Knowledge Sharing By
Patron U Khin Maung Maung



Green Building

Green building refers to both the words, green building design and the using of processes finding the balance between nature and the environment. Green building and the sustainable are environmentally responsive building and the sustainable resource-efficient throughout the life-cycle. This requires the cooperation of the design team, architects, the engineers, and construction, operation, maintenance, renovation, and demolition at all project stages.

Reducing environmental impact

Green building practices aim to reduce the environmental impact of building. This is the greenest building is the one that does not exist. Since construction almost always degrades the building site, not building at all is the most sustainable to green building, in terms of reducing environmental impact.

👍 25

3 Shares



Myanmar Green Building Society

August 13, 2020 · 🌐



What is Green Building?
By Prof. Dr. Swe Swe Aye

It's an integrated process that focusses on the relationship between the built environment and the natural environment. Due to the global warming and climate change, buildings can have negative impacts on the surrounding as well as on the people. With the development of Green Building, it can reduce those negative impacts. "Architectural design concept, effective utilization of energy and water use, healthy indoor air qualit... See more



👍❤️ 45

25 Shares

Knowledge Sharing



Myanmar Green Building Society

September 24, 2020 · 🌐



Knowledge Sharing By Daw Chaw Kalyar

မင်္ဂလာပါ။ ကျွန်ုပ်တို့အားလုံးပါ။ ကျွန်ုပ်တို့သည် Architect တစ်ဦးဖြစ်ပြီး Environmental Design သဘာဝပတ်ဝန်းကျင်နှင့် သဟဇာတဖြစ်သည့် အဆောက်အအုံဒီဇိုင်းကို အထူးပြုသူတစ်ဦးဖြစ်ပါသည်။ Myanmar Green Building Society (MGBS) မှာ အလုပ်အမှုဆောင်အဖွဲ့ဝင်တစ်ဦးဖြစ်ပြီး ဒုတိယဥက္ကဋ္ဌ တာဝန်ကိုဆောင်ရွက်နေသူတစ်ဦးဖြစ်ပါသည်။ ကျွန်ုပ်တို့ Green Building ဘာသာရပ်ကို ဗိသုကာကျောင်းသူဘဝ (၁၉၉၉-၂၀၀၀) ပြည့်နှစ် ပတ်ဝန်းကျင်လောကစပြီး စိတ်ဝင်တစားလေ့လာခဲ့ပါသည်။ ပညာရပ်ဆိုင်ရာဖလှယ်ပွဲ၊ ပြည်တွင်း... [See more](#)

[See Translation](#)



👍❤️ 304

10 Comments 80 Shares



Myanmar Green Building Society

December 17, 2020 · 🌐



Knowledge Sharing By Dr. Kay Khine Ye Myint (Executive)

Green Building ဆိုသည်မှာ အဆောက်အအုံတည်ဆောက်သည့်အခါ အဆောက်အအုံ ဒီဇိုင်းရေးဆွဲခြင်း၊ ဆောက်လုပ်ခြင်း၊ ရေ၊ မီး သုံးစွဲရန် တပ်ဆင်ခြင်းတို့မှာ ကျွန်ုပ်တို့ ပတ်ဝန်းကျင်မှာရှိသည့် ရာသီဥတုနှင့် သဘာဝပတ်ဝန်းကျင်အတွက် Positive impact ဖြစ်ပေါ်မှုများကို ဖန်တီးပေးပြီး၊ Negative impact များကို လျော့ချပေးစေနိုင်ဖို့အတွက် ဖြစ်ပါသည်။

[See Translation](#)



👍❤️ 126

16 Comments 38 Shares

MNBC RATING SYSTEM AWARENESS ADVOCACY



Let's go **GREEN** together !



“The earth is what we all have in common.” Wendell Berry

THANK YOU!
WELCOME TO MGBS!

