



**Government of India**

**Ministry of Environment, Forest & Climate Change**

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# India: Challenges & Opportunities

- Approx. 1.32 billion population
- A megadiverse country with only 2.4% of the world's land area, accounts for 7-8% of all recorded species, including over 45,000 species of plants and 91,000 species of animals.
- 764 protected areas covering 162024.69 Km<sup>2</sup> and 4.93% of the country's geographical area.
- Nearly, 1.5 million Schools across 664 districts in country
- About 55 Ministries have been established for ease of doing business in different sectors
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# Mandate of the MoEF&CC

1. MoEF&CC is the nodal agency for the planning, promotion, co-ordination and overseeing the implementation of India's environmental and forestry policies and programmes
2. Broad objectives:
  - Conservation of flora & fauna (Forest and Wildlife)
  - Prevention and control of pollution
  - Welfare of animals etc
3. To achieve its objectives a set of legislative and regulatory measures has been notified by Ministry (Indian Forest Act 1927, Wildlife (Protection) Act 1972, Water Act 1974, Forest Act 1980, Air Act 1981, Environment Protection Act 1986, Biological Diversity Act 2002)
4. Ministry has a strong framework and legal network of enforcement of various provisions of the regulations through Authorities, PCBs,NGT,etc.
5. Ministry lays great importance to the informal ways of educating school/college students and masses through its outreach programme, namely Eco-club .



# Environment Education, Awareness & Training Scheme (Central Scheme, launched during 1983-84)

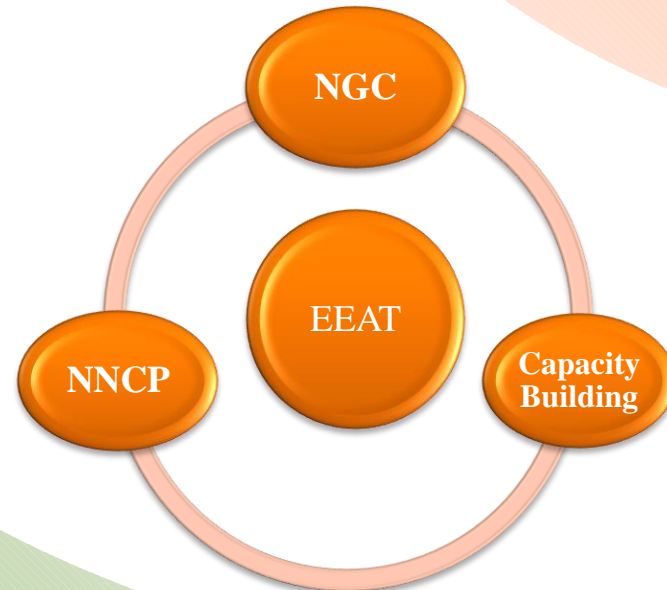
## Objectives of the Scheme

- ✓ To promote environmental awareness among all sections of society.
- ✓ To spread environment education.
- ✓ To mobilize student's participation for environment conservation.



# Programmes under EEAT

- I. **National Green Corps, NGC** (*Target group: Classes upto XIIth Class & College level*)
- II. **National Nature Camping Programme, NNCP** (*Target group : VI<sup>th</sup> - VIII<sup>th</sup> Class and College level*)
- III. **Capacity Building programmes** (Target group : students and teachers)



# National Green Corps (NGC) “Ecoclub” Programme

- Launched in **2001-2002** to spread environmental awareness amongst school children and to involve them in environment related activities.
- Coverage **per District** increased from 100 schools in 2001-02 to **250 schools** in 2005-06.
- Financial assistance increased from Rs. **2,500/- per school** per annum during 2005-06 and now to **Rs 5000/- during 2017-18 (~USD 80)**.



Reuse of plastics by  
Eco-clubs in Sikkim



## No. of Eco-clubs supported during last four years

| S.No. | Year    | No. of Eco-clubs |
|-------|---------|------------------|
| 1     | 2017-18 | 1,00,000         |
| 2     | 2016-17 | 90,265           |
| 3     | 2015-16 | 19,130           |
| 4     | 2014-15 | 92,310           |

## Funds released to State Nodal Agencies (SNAs) during last six years

| S.No. | Year    | Funds released (in INR) | Funds released (in USD) |
|-------|---------|-------------------------|-------------------------|
| 1     | 2017-18 | 40.00 cr                | 60,00,000               |
| 2     | 2016-17 | 48.00 cr                | 72,00,000               |
| 3     | 2015-16 | 41.00 cr                | 61,50,000               |
| 4     | 2014-15 | 33.50 cr                | 50,25,000               |



# Activities being undertaken

- **Awareness on solid waste management** through waste segregation (biodegradable and non-biodegradable) and on concept of 4Rs i.e. 'Reduce, Reuse, Recycle and Recover' amongst students through establishing 2-Bins in schools– (1) Blue Bin for dry waste like Paper waste, Glass waste, E-waste and (2) Green Bin for wet waste.
- **Celebration of important environmental days** in schools such as World Environment Day, World Wetland Day, Earth Day, etc. by organising debates, quiz, slogan competitions, drawing/poster competitions etc, on the related theme.
- **Plantation drives** in and around the school campus, organised in the district/locality, preferably during the monsoon season.
- **Cleanliness drives** to be conducted twice a year i.e. October and December (preferably post examination period during October & December holidays).

# Benefits and Outcome

- Sensitization of Society in context of Environmental Conservation
- Tree Plantation, Cleanliness drives, Composting /vermi- composting etc. are being carried out

# Thematic Calendar

| Month     | Themes  |
|-----------|---|
| January   | Awareness on clean technology   |
| February  | Awareness on Water Conservation and Celebration of Wetland Day  |
| March     | Awareness on Forest Conservation and celebration of Water Day and International Day of Forests and the Tree     |
| April     | Energy Audit and Celebration of Earth Day   |
| May       | Biodiversity Conservation and Celebration of International Day for Biological Diversity                         |
| June      | Awareness on Combating Desertification and Celebration of World Environment Day                                 |
| July      | Massive Tree plantation / greening neighbourhood  |
| August    | Cleanliness drive   |
| September | Awareness on preservation of ozone and celebration of International Day for the Preservation of the Ozone Layer |
| October   | Waste Management  |
| November  | Awareness on Protection and Conservation of Wildlife  |
| December  | Awareness on control of pollution   |

# Swachh Bharat Mission

- Swachh aur Swasth Bharat Cell has being established during 2017
- Programme has been fully merged with Ecoclub programme
- Financial implication has been worked out
- SAP prepared
- Information, Education and Communication (IEC)-awareness
- Clean Air for Delhi Campaign, Run for Clean Air, etc.
- Global host for World Environment Day 2018

# **Swachh Bharat – Harit Bharat**

## **‘Green Pledge’**

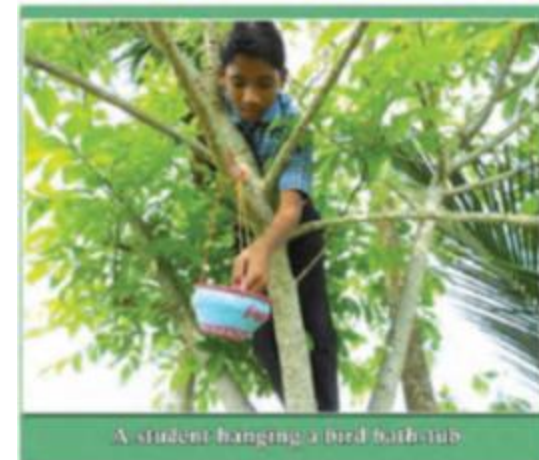
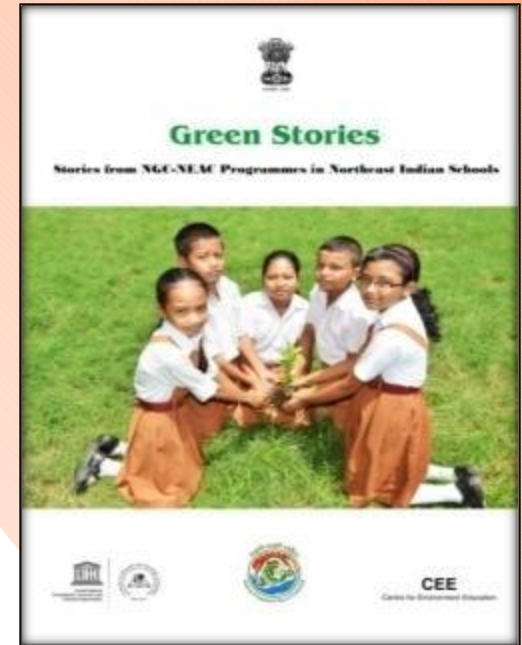
- **I shall do my best to protect the Earth and its natural environment. I shall also adopt such practices that would minimize wastage.**
- **I shall reuse whatever I can**
- **I shall take care to clean up the environment**
- **I shall reduce the waste we create**
- **I shall plant more trees**
- **I shall conserve energy and water**

## Success Stories under NGC in North East Region

Bath tub for birds in Assam.

Many native birds especially tree birds would visit the school daily.

School has prepared bird feeder trays and drinking water trays out of waste material and hung in trees. These bath tubs are useful in summers.



**Hanging Bath tubs**



# National Nature Camping Programme (NNCP)

- An initiative which is aimed at creating greater awareness, understanding and empathy of children with and for the environment.
- Target group: middle school (**classes VI to VIII**) for a 2 night- 3 day camping experience.
- There are 36 approved agencies (Government Agencies and Autonomous bodies of both Centre and State Government ).
- Convergence with Protected Areas



# NNCP.....Contd...

## Activities identified:

- Nature Trail/Nature Walk
- Nature Connect Pledge
- Quiz on environment issues/Wildlife Quiz
- Journal Writing
- Eco songs
- Preparation of Biodiversity Register
- Viewing the night sky
- Bird Watching
- Poster Competition
- Interactive session / Group discussion



# GLOBE Programme

- Nearly 600 Schools are participating in GLOBE Programme in India; nearly 100 active
- Spread over 20 States
- Involved in awareness programmes related to Science activities (collection of atmosphere, soil and water data, etc.)
- Science Teachers are also participating in the programme

# **GLOBE Activities in India 2017 -2018**

## **1. GLOBE Science Talent Hunt, New Delhi in September 2017**

- The aim of the programme was to develop scientific attitude among the youth and students.
- Nearly 100 students/teachers, who are actively involved in GLOBE activities, participated from about 4 States (Delhi Rajasthan, Andhra Pradesh & Telangana).
- The students presented their scientific work along with some projects.
- Teachers and students also participated in GLOBE Protocol training on Atmosphere Protocol & for Data Entry Protocol. Some data has also been collected by the students on temperature, and cloud type and cloud cover.

# Glimpses of GLOBE Science Talent Hunt



# Contd....



# GLOBE Activities in India 2017 -2018

## 2. GLOBE Refresher Teacher's Training Workshop, New Delhi, in October 2017 & November 2017

- About 10 teachers & 35 students attended the training.
- Students participated in Hands -on training of Atmosphere & Soil Protocol & making / creating GLOBE related projects were also discussed during the program.



# GLOBE Activities in India 2017 -2018

## 3. GLOBE Data Entry Training workshop in Delhi

- A workshop on GLOBE Data Entry with GLOBE School in Delhi was organized in July, 2016 in New Delhi.
- About 10 teachers & 60 students attended the training.



## **GLOBE Activities in India 2017 -2018**

### **4. GLOBE Teachers training workshops in local language (Hindi) for Government School Teachers**

- 7 workshops were organized in 7 states namely, Delhi, Uttar Pradesh, Rajasthan, Punjab, Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- Training provided on 4 GLOBE protocols namely, Atmosphere, Water, Soil and Land Cover Biology.
- A total of 230 participants were trained in GLOBE Program in Hindi



## *Glimpses of GLOBE Teachers training workshops*



# Glimpses of activities under Swachh Bharat Mission



# Glimpses...



# **Restructuring of the GLOBE programme**

- **Programme has been restructured since the financial year 2017-18.**
- **4 meetings were held with US Embassy**
- **For implementation of programme 6 pilot states are being selected (Delhi, Punjab, Gujarat, Himachal Pradesh, Kerala, Sikkim)**
- **Meetings were organized with SNAs**
- **Convergence of the programme with similar programmes of CSE, Earth Day Network, etc. is being done.**
- **Administrative approval has received. Financial implications are being worked out.**
- **Inclusion of Ecoclub programme with GLOBE programme, so that as like Ecoclub programme, nearly 1 lakh GLOBE schools can be established.**



# Thank You

