

ACTIVITY REPORT

FOR THE FY 2024-25



TELANGANA NATIONAL GREEN CORPS

ENVIRONMENT EDUCATION PROGRAMM

(MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE)

GOVERNMENT OF INDIA

Overview of the Activities conducted during FY (2024-25)

Category A: - Initiatives under Sustainable Lifestyle Workshops/Projects/Exhibitions/Campaigns/Competitions etc.

Initiative No.	Title of Initiative	Activity Category	Total Number of Events Conducted under said Initiative	Number of Districts Covered	The outcome in terms of		Brief Description
					Number of Schools/Clubs	Number of Students	
1	World Environment Day 2024	Competitions	30	30	750	1500	World Environment Day was celebrated with poster and poetry competitions on Land Restoration, Desertification, and Drought Resilience.
2	LED WORKSHOP	Workshop	33	33	1650	4950	A workshop was conducted on LED tube lights and vermicomposting, where participants learned to assemble LED lights and understood the benefits of LEDs and vermicomposting for sustainable practices.
3.	Clay Ganesh Idol Workshop	Workshop	7	7	20	2000	Students learned about eco-friendly Ganesh idols made from clay, coir, and natural colours, and the harmful effects of plaster of Paris idols on water bodies.
4	Waste to Wealth Exhibition	Exhibition	21	21	1260	2520	Students showcased eco-friendly creativity at the Waste to Wealth exhibition, creating models and art from reusable materials like newspapers, shoe boxes, and ice cream sticks, promoting values of reduce, reuse, and recycle.

5	Education Trip	Awareness	3	20	20	1000	Students gained hands-on experience in modern farming techniques and sustainable agriculture practices, learning about organic farming, irrigation systems, and eco-friendly methods like vermicompost and vertical gardening.
6	Soap & Dish, Hand wash Making Workshop	Workshop	11	11	550	1650	Students and teachers attended a workshop on making eco-friendly soap, dish wash, and hand wash using natural ingredients, promoting sustainable practices and reducing plastic waste.
7	Wet land Awareness and Kitchen Garden	Awareness	19	246	246	7500	Schools organized rallies and competitions to raise awareness about environmental conservation. Students planted vegetable and kitchen gardens, learning about sustainability and nutrition, and created compost pits for organic manure, fostering a deeper appreciation for nature.

Category B: - Initiative under Nature Camps/Summer Vacation Programmes

Initiative No.	Activity Category (Nature Camp/ Summer Vacation Programme)	Location of Nature Camp	Dates of Nature Camp	Duration of Nature Camp	Participating Schools/ College	Names of District	The Outcome in terms of		Brief Description
							Number of Schools/ Clubs	No. of Campers (Students)	
1	Nature Camp	Nagarjuna sagar	23-01-2025 to 25-01-2025	3 Days and 2 Nights	Schools	Nalgonda	5	50	The 3-day camp included visits to Buddha Vanam, a forest walk, Nagarjunasagar power plant, and dam, focusing on Buddha's teachings, forest conservation, hydroelectric power, and water conservation.
2	Nature Camp	Dhummugudem forest	28-01-2025 to 30-01-2025	3 Days and 2 Nights	Schools	Bhadradri Kothagudem	5	50	The nature camp promoted environmental stewardship through forest exploration, power plant tours, nature walks, village cleanups, and learning river conservation at the Godavari River. learning about river conservation at the Godavari River.

3	Nature Camp	Nagarjuna sagar	03-02-2025 to 05-02-2025	3 Days and 2 Nights	Schools	Nalgonda	5	50	The 3-day camp included visits to Buddha Vanam, a forest walk, Nagarjunasagar power plant, and dam, focusing on Buddha's teachings, forest conservation, hydroelectric power, and water conservation.
4	Nature Camp	Alisagar	05-02-2025 to 07-02-2025	3 Days and 2 Nights	Schools	Nizamabad	5	50	Ali Sagar is located in Nizamabad, features a garden, reservoir, and deer park. Students visited, participated in activities like music and magic shows, and learned about scouting and security skills. They also observed the solar system using a telescope.
5	Nature Camp	Manuguru forest	18-02-2025 to 20-02-2025	3 Days and 2 Nights	Schools	Bhadradi Kothagudem	5	50	The camp included visits to the BTPS and water reservoirs for bird-watching. A 5km nature walk covered plant species and medicinal plants, followed by village cleanup and stargazing, where students observed the

									solar system using a telescope. They also learned about river conservation at the Godavari River.
6	Nature Camp	Penchkalpet forest	23-02-2025 to 25-02-2025	3 Days and 2 Nights	Schools	K B Asifabad	5	50	The Penchkal forest area offered various activities, including trekking, birdwatching, and identification of plants, insects, and animals. Students also participated in biodiversity assessments and enjoyed scenic views of the lake.

Detailed Individual Activity Report

I. World Environment Day 2024

1. World Environment Day was celebrated in 30 districts across the state, with 50 students from 25 Eco Clubs participating in each district.
2. Date on which activity conducted: June to August 2024
3. World Environment Day celebrations were marked with enthusiasm through poster and poetry competitions, focusing on crucial themes such as Land Restoration, Desertification, and Drought Resilience. Under the guidance of National Green Crops, students unleashed their creativity, crafting inspirational poems in both their local language and English. They also designed impressive posters that conveyed powerful messages about environmental conservation.



విద్యార్థులకు పర్యావరణ పోటీలు

సంగారెడ్డి మున్సిపాలిటీ, స్కూల్స్:

జిల్లా స్టేట్స్ కేంద్రంలో

జూలైలో హరితదళం

ఆధ్వర్యంలో పర్యావరణ

రంగుల పోటీలు నిర్వహించారు.

పోస్టర్ మేకింగ్లో ప్రథమ స్థానం(ఆమిష నర్స నెయిండ్

అంబోనీస్, సంగారెడ్డి), ద్వితీయ స్థానం (మేఘన, బహుర్షా పుల్లవర్తి),

తృతీయ స్థానం (కార్తిక్, శాంతినికేతన్, సదాశివమేట్ల), పోయోట్రీ రైటింగ్-అంగ్

మాధ్యమం విభాగంలో మొదటి బహుమతి(ప్రవళిక, అదర్శ పాఠశాల), రెండో బహుమతి (హరిక, మునిపల్లి), తెలుగు మాధ్యమంలో

ప్రథమ స్థానం(దీక్షిత, హోలి (కె), అదర్శ పాఠశాల), ద్వితీయ బహుమతి(హిరారెడ్డి, నెయిండ్ అంబోనీస్, సంగారెడ్డి) సాధించారు.



బహుమతులు పొందిన విద్యార్థులతో డిజిటల్ వెంటేజ్



4. Outcome/Impact: This celebration not only encouraged students to think about environmental issues but also fostered a sense of responsibility towards protecting the planet.

II. LED Tube light and Vermicompost Making workshop

1. LED Tube light and Vermicompost making procedure workshop conducted in all 33 districts of the state, with 150 students and 1 teacher from 50 Eco clubs participating in each district.
2. Date on which activity conducted: July to October 2024

LIGHT EMITTING DIODES (LED'S)

A 10W LED tube light is an energy efficient lighting option that replaces traditional fluorescent tube. It consumes only 10 watts of power while providing a bright and light output, making it suitable for residential, commercial and industrial applications. LED technology ensures a longer lifespan, typically lasting up to 25,000 hours or more, reducing the need for frequent replacements. Additionally, 10W LED tube lights generate less heat, are environmentally friendly with no mercury content, and offer instant illumination without flickering. These features contribute to lower electricity bills and a smaller carbon footprint.

To make LED tube light the following parts are required

- 10W Tube light body
- 10W Tube light Driver
- 10W Tube light PCB
- Caps & Garments
- AC Wire
- Packing Box

Method of Tube Light Circuit Assembly

Prepare the Body

- Start with the tube light body which contains a socket or holder
- Insert printed circuit board (PCB) embedded with Light Emitting Diode (LED) into the socket.

Connect the PCB:

- Locate the symbols on the PCB: (+) positive and (-) for negative.
- Take a driver unit, which typically has two wires of different colours: black and red.
- Connect the red wire from the driver to the (+) symbol on the PCB.
- Connect the black wire from the driver to the (-) symbol on the PCB.

Attach AC Wires:

- Attach the AC (Alternating Current) wires to the terminals provided on the driver unit.

Final Assembly:

- Once all connections are made, secure the caps and cover or casing on the body of the tube light

TESTING:

- Insert the tube light assembly into an AC power socket.
- Upon powering on, the tube light should start glowing

ZERO WASTE MANAGEMENT

Zero waste management is sustainable approach to waste reduction and environmental conservation. It is centred around the principle of minimizing the generation of waste as possible from land fields and incineration it involves;

Waste Preservation: The primary goal of zero waste management is to prevent waste from being created in the first place. This involves reducing consumptions, reusing items and making more sustainable choices in daily life.

Resource Efficiency: Zero waste promotes the efficient use of resources emphasizing the need to design products and system that generate less waste and have a longer lifespan.

Recycling and composting: When waste is generated zero waste management encourages recycling and composting to ensure that valuable materials like the climbing and organic waste is converted into nutrient rich soil reducing the need for land fields.

Community engagement: Successful zero waste initiatives involve active participation of individuals communities' business and governments it requires collective efforts to the think and redesign the way we handle waste.

Reducing of single use plastic: a significant aspect of zero waste management is reducing the use of single use plastic which are major environmental concern replacing them with reusable or biodegradable alternative helps reduce plastic pollution.

Economic and environmental benefits: Zero waste management not only benefits environment but also can lead to economic advantages by creating green jobs reducing disposal and conserving resources.

Educational outreach: Public awareness and education are essential with many communities' business and organizations committing to zero waste on environment and teaching them how to make sustainable choice is crucial.

Global Movement: Zero waste management is a global movement with many communities' business and organizations committing to zero waste goals aiming to reduce their ecological footprint and protect the planet for future generations.

Zero waste management is a holistic and sustainable approach that aims to minimize waste generation, promote recycling and reduce environmental impact it requires a shift in mindset and practices at the individuals, community, and societal levels to achieve a more sustainable and ecofriendly future.

VERMICOMPOST

Composting: Composting is the process where organic substances undergo putrefaction due to microorganism, facilitated by sufficient sunlight, humidity, heat, and air. The resulting mixture of degraded substances is called organic manure or compost. There are several methods of composting:

- Pit Method
- Heap Method
- Nadepu Method
- Earthworm Method (Vermicompost Method)

Method of preparation of Vermicompost: Cultivating earthworms for composting is known as vermicompost, Earthworms feed on organic substances provided to them, excrete the material, which is then harvested as vermicompost. The compost bed should be kept in shade to ensure optimal conditions.

Precautions:

- Use only organic substances.
- Ensure adequate humidity.
- Prevent water stagnation under the compost bed
- Apply soap the edges of the compost pit to prevent earthworms from escaping during the rainy season.
- Protect earthworms from natural predators.

Methods of Preparing the Compost Bed:

- Provide shade over the compost bed to protect it from direct sunlight and rain
- Prepare a pit of 100 feet in length, breadth of the field available, and a depth of 2.5 feet. Allow it to dry for 10 to 20 days.
- Add a mixture of dried cow dung, leaves, and other organic substances to the pit.
- Level the bed floor evenly.
- Harvest the manure by making small heaps and sieving it into suitable sized bags.
- Replenish the pit with dried dung, leaves, and organic matter for the next cycle, which takes about 60 days.
- Ensure the bed is flat from end to end without any undulations.
- Maintain a one-foot gap between each bed set for easy access.
- Introduce 100kg of earthworms to the bed their activity will transform the organic substances into vermicompost within 40 to 60 days.

Substances useable for compost manures: Dried leaves, vegetables, waste plants, and cattle dung can be effectively used

Substances not useful for compost manures: Avoid plastic, polythene covers, metals, rubber, and glass, as they are non-biodegradable.

Benefits of using Vermicompost Manures:

- Provides essential micro and macro nutrients like nitrogen, phosphorus, potassium, calcium, magnesium, sulphur, iron, zinc, copper, boron, and manganese to crop plants.
- Reduce dependency on chemical fertilizers such as urea, DAP, and potassium sulphate.
- Enhance crop resistance against pests, reducing the need for insecticides.
- Significantly improves soil fertility and productivity.

All participants successfully prepared and took home their own 10W LED tube lights, equipped with knowledge on sustainable practices.



Students Receive Training in LED Tube Light Production



DECCAN NEWS SERVICE
NAGARKURNOOL

A training program on LED tube light manufacturing was held on August 20, 2024, at the National High School in Nagarkurnool. Organized by the Telangana State Green Core and the District Education Department, the workshop aimed to educate 100 students from 50 schools about sustainable practices. District Education Officer Dr. Govindarajulu emphasized

the importance of reducing environmental impact through sustainable living. During the workshop, students learned to create their own LED tube lights and were also introduced to compost pit procedures. Certificates were awarded to participating students, and the session was attended by District Science Officer Rajasekhhar Rao and State NGC Coordinator Rajasekhhar, among others.

Outcome/Impact: Participants successfully assembled their own 10W LED tube lights and gained knowledge on vermicomposting and zero waste management, empowering them to implement sustainable practices at home.

III. Clay Ganesh Idol Making Workshop

1. A clay Ganesh idol making workshop was conducted across 8 districts in the state, with 20 workshops held in Eco club schools, engaging 1000 students in eco-friendly idol making.
2. Date on which activity conducted: August to September 2024
3. Students learned about eco-friendly Ganesh idols made from clay, coir, and natural colours, and the harmful effects of plaster of Paris idols on water bodies.



Outcome/Impact: By creating their own eco-friendly clay idols, students can spread awareness about sustainable practices and environmental conservation throughout their village.

IV. Waste to Wealth Exhibition

1. Waste to Wealth Exhibition conducted in 21 districts of the state with 120 students and 1 teacher from 60 Eco clubs participating in each district.
2. Date on which activity conducted: November 2024 to February 2025
3. Students showcased eco-friendly creativity at the Waste to Wealth exhibition, creating models and art from reusable materials like newspapers, shoe boxes, and ice cream sticks, promoting values of reduce, reuse, and recycle.



Outcome/Impact: By creating articles from waste materials, students demonstrate practical waste management skills, promoting sustainability and inspiring others to adopt eco-friendly practices.

V. Education Trip

1. An educational trip was conducted in 4 districts, with 50 students and 2 teachers from each Eco club participating, totalling 20 trips that provided hands-on learning experiences.
2. Date on which activity conducted: December 2024 to March 2025
3. Students participated in hands-on learning experiences on modern farming techniques and sustainable agriculture practices, gaining insights into farm management, organic farming, irrigation systems, and eco-friendly methods like vermicompost and vertical gardening.



Outcome/Impact: Students learned about modern farming techniques, focusing on organic manure methods, including vermicompost and other sustainable practices to promote eco-friendly agriculture.

VI. Soap, Hand wash and Dish wash making Workshop

1. Soap, Hand wash and Dish wash making workshop conducted in 11 districts of the state with 150 students and 1 teacher from 50 Eco clubs participating in each district.
2. Date on which activity conducted: January to March 2024
3. A workshop on eco-friendly soap, dishwash, and handwash was conducted, where participants learned to create these products using natural ingredients. Students prepared their own eco-friendly products, gaining hands-on experience in sustainable practices that reduce plastic waste and avoid harmful chemicals.



జాతీయ హరిత దళం సారథ్యంలో సబ్బు తయారీపై అవగాహన

© కోవాడ మండల విద్యాధికారి ఎంపీ సీరింషరీస్

ಪರಮಾತ್ಮನು ಮುಖ್ಯವಾಗಿ ಮನುಷ್ಯನನ್ನು ಕೃತಾರ್ಥವಾಗಿ ಮಾಡುವುದಕ್ಕಾಗಿ ಕ್ರಿಯಾಪದ್ಧತಿಯನ್ನು ಹೇಳಿದ್ದಾನೆ. ಹೇಗೆಂದರೆ ಮನುಷ್ಯನು ತನ್ನ ದೈವಿಕ ಸ್ವಭಾವವನ್ನು ತನ್ನ ಮನಸ್ಸಿನಿಂದ ತಿಳಿದುಕೊಳ್ಳುತ್ತಿದ್ದಾನೆ. ಆದ್ದರಿಂದ ಮನಸ್ಸಿನಿಂದ ತನ್ನ ಸ್ವಭಾವವನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದು ಮನುಷ್ಯನಿಗೆ ಅತ್ಯಂತ ಮುಖ್ಯವಾದ ಕಾರ್ಯವಾಗಿದೆ. ಆದ್ದರಿಂದ ಮನಸ್ಸಿನಿಂದ ತನ್ನ ಸ್ವಭಾವವನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದು ಮನುಷ್ಯನಿಗೆ ಅತ್ಯಂತ ಮುಖ್ಯವಾದ ಕಾರ್ಯವಾಗಿದೆ. ಆದ್ದರಿಂದ ಮನಸ್ಸಿನಿಂದ ತನ್ನ ಸ್ವಭಾವವನ್ನು ತಿಳಿದುಕೊಳ್ಳುವುದು ಮನುಷ್ಯನಿಗೆ ಅತ್ಯಂತ ಮುಖ್ಯವಾದ ಕಾರ್ಯವಾಗಿದೆ.

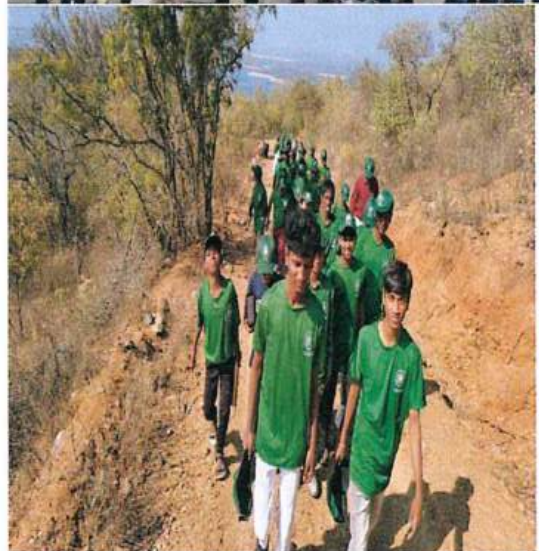


కాల్వేరునుండి పోయే 150 మంది విద్యార్థులకు డివీజన్, కాల్వేరును ముడిచి వేసింది. ఈ కాల్వేరునుండి నీటిను పోయేందుకు కాల్వేరును ముడిచి వేసింది. కాల్వేరును ముడిచి వేసింది. కాల్వేరును ముడిచి వేసింది.

Outcome/Impact: The hands-on experience proved to be highly effective, educating students about sustainable practices while fostering their interest in eco-friendly initiatives and encouraging them to adopt environmentally conscious habits

Nature Camp – 1

1. A nature camp was held at Nagarjunasagar in Nalgonda district, with 10 students and 1 teacher from each of 5 Eco club schools participated.
2. The nature camp was conducted from January 23, 2025, to January 25, 2025, it's totally 2 nights and 3 days.
3. The 3-day camp included visits to Buddha Vanam for insights into Buddha's teachings and exploration of plant species and bird watching. A 5km forest walk educated students about forest ecosystems and conservation. They also learned about hydroelectric power at the Nagarjunasagar power plant and dam management at the Nagarjunasagar Dam, observing bird species and learning about water conservation.



4. The students were encouraged to share their experiences and knowledge with their peers back in school, promoting environmental awareness and conservation.

Nature Camp – 2

1. A nature camp was held at Dhumugudem forest in Bhadrachalam district, where 50 students and 5 teachers from 5 Eco club schools participated.
2. The nature camp was conducted from January 28, 2025, to January 30, 2025, it's totally 2 nights and 3 days.
3. The nature camp's activities promoted environmental stewardship through exploration of forest nurseries, visits to Adaviramaram, Singuturu forest, and Bojjuguppa Lakeview, and a tour of the SLS Power Plant. A 5km nature walk introduced students to diverse plant species, and village clean-up initiatives raised awareness about hygiene. A visit to the Godavari River included bird-watching and learning about river conservation, sand extraction, and its significance.



4. The nature camp offered students a chance to connect with nature, develop environmental awareness, and adopt sustainable practices.

Nature Camp – 3

1. A nature camp was held at Nagarjunasagar in Nalgonda district, with 10 students and 1 teacher from each of 5 Eco club schools participated.
2. The nature camp was conducted from February 03, 2025, to February 05, 2025, it's totally 2 nights and 3 days.
3. The 3-day camp included visits to Buddha Vanam for insights into Buddha's teachings and exploration of plant species and bird watching. A 5km forest walk educated students about forest ecosystems and conservation. They also learned about hydroelectric power at the Nagarjunasagar power plant and dam management at the Nagarjunasagar Dam, observing bird species and learning about water conservation.



4. The students were encouraged to share their experiences and knowledge with their peers back in school, promoting environmental awareness and conservation.

Nature Camp – 4

1. A nature camp was held at Alisagar in Nizamabad district, where 50 students and 5 teachers from 5 Eco club schools participated.
2. The nature camp was conducted from February 05, 2025, to February 07, 2025, it's totally 2 nights and 3 days.
3. Ali Sagar is a popular picnic spot near Nizamabad, Telangana, featuring a beautiful garden, reservoir, and deer park. The area offers scenic views, flower gardens, and a soothing lake. The deer park, established in 1985, is home to various deer species and is a great spot for kids. Students visited the area, participated in activities like music and magic shows, and learned about scouting, security skills, and teamwork through interactive sessions. They observe the solar system by using telescope.



4. The nature camp offered students a chance to connect with nature, develop environmental awareness, and adopt sustainable practices.

Nature Camp -5

1. A nature camp was held at Manuguru forest in Bhadradri Kothagudem district, where 50 students and 5 teachers from 5 Eco club schools participated.
2. The nature camp was conducted from February 18, 2025, to February 20, 2025, it's totally 2 nights and 3 days.
3. The camp's activities included visits to the Bhadradri Thermal Power Station to learn about coal-based power generation and water reservoirs to observe bird species. A 5km nature walk introduced students to diverse plant species and medicinal plants, followed by village clean-up initiatives and stargazing. A visit to the Godavari River included bird-watching, learning about river conservation, and understanding water pumping for power generation. They observe the solar system by using telescope



4. The students were encouraged to share their experiences and knowledge with their peers back in school, promoting environmental awareness and conservation.

Nature Camp – 6

1. A nature camp was held at Penchkalpet forest in KB Asifabad district, where 50 students and 5 teachers from 5 Eco club schools participated.
2. The nature camp was conducted from February 20, 2025, to February 22, 2025, it's totally 2 nights and 3 days.
3. Students walked through a forest with plenty of eucalyptus trees, also known as "gum trees," which were introduced from Australia. The trees, spread over 20 hectares with around 20,000 plants, attracted various birds and insects. Locals didn't seem to be mentioned but rather the trees' water usage and vast spread were notable. The area was enjoyed for its natural beauty and wildlife. they observed the solar system by using telescope at night time.



4. The nature camp offered students a chance to connect with nature, develop environmental awareness, and adopt sustainable practices.

21
21/4/25


Director
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