

# **Sparrow /birds Conservation Policy Using Wasted Wooden Boxes by Science Students (2021-2022)**

Reported by Dr.SachinH.Raut (Botany Dept.)

## **1. Introduction:**

The Sparrow Conservation Policy conducted by the science students majoring in Botany at Comrade Godavai Shamrao Parulaker College of Arts, Commerce, and Science in Talasari. This initiative was carried out as part of the college's commitment to environmental conservation through the creative use of wasted wooden boxes and was officially implemented on January 6, 2022, during the academic year 2021-22.

The Sparrow Conservation Policy was a unique endeavor that aimed to address the declining population of sparrows in the Talasari region. Sparrows, once a common sight, have become increasingly rare due to habitat loss and other ecological factors. This project sought to provide sparrows with suitable nesting habitats using recycled wooden boxes, thereby fostering their revival.

## **2. Methodology:**

**Collection of Wasted Wooden Boxes:** The students actively engaged in collecting boxes from Botany lab.

**Design and Construction:** The collected wooden boxes were creatively transformed into sparrow nest boxes with appropriate dimensions and features conducive to nesting.

**Placement and Monitoring:** The nest boxes were strategically placed in suitable locations around the college campus.

## **3. Achievements:**

**Increased Sparrow Population:** The project led to a noticeable increase in the local sparrow population as the nest boxes provided safe and secure nesting sites.

**Environmental Awareness:** The initiative raised awareness about the significance of preserving local bird species, leading to a heightened sense of environmental responsibility within the college community.

**Reuse of Wooden Boxes:** The project creatively repurposed wasted wooden boxes, promoting sustainability and recycling.

## **4. Environmental Policy Implementation:**

The Sparrow Conservation Policy aligns seamlessly with the broader environmental policy of Comrade Godavai Shamrao Parulaker College of Arts, Commerce, and Science, which underscores the importance of sustainable practices, wildlife conservation, and ecological responsibility. This project exemplifies the college's dedication to innovative and eco-friendly solutions for conservation.

## 5. Future Plans:

In the upcoming academic years, the college intends to expand the sparrow conservation initiative by increasing the number of nest boxes, enhancing research efforts, and further engaging with the local community to promote sparrow conservation. Additionally, plans are underway to collaborate with regional environmental organizations to amplify the impact of this initiative.

## 6. Conclusion:

The Sparrow Conservation Policy undertaken by the science students majoring in Botany at Comrade Godavai Shamrao Parulaker College of Arts, Commerce, and Science in Talasari has demonstrated the college's commitment to environmental conservation through creative and sustainable means. The project's success during the academic year 2021-22 serves as an inspiring example of how small actions can make a significant difference in preserving local biodiversity.



  
Principal  
Com. GSP College of Arts  
Commerce and Science, Talasari.



Students arranged and select the Bird nest by using microscope box.



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**Students arranged and select the Bird nest by using microscope box.**



**Students placed the Bird nest**

## **Best Practice- I**

### **1. Title of the Practice:**

Water Conservation Measures at Comrade Godavari Shamrao Parulekar College of Arts, Commerce, and Science, Talasari

### **2. Objectives of the Practice:**

The primary objectives of this best practice are to:

#### **Promote Water Conservation:**

To address the growing concerns of water scarcity and depletion of groundwater resources.

#### **Replenish Groundwater:**

To recharge and improve the quality and level of groundwater through the construction of rainwater harvesting structures.

#### **Enhance Sustainability:**

To foster a culture of sustainability and environmental responsibility within the college community.

The underlying principles of this practice include sustainable resource management, community involvement, and the integration of environmental conservation into educational institutions.

### **3. The Context:**

In the Talasari region of India, water scarcity is a pressing issue. The area faces challenges such as decreasing groundwater levels due to excessive borewell usage and high-water consumption for various purposes, including agriculture and industry. These challenges necessitated the implementation of water conservation measures to address the growing water crisis and promote sustainable water management practices within the college.

#### **4. The Practice:**

The college Comrade Godavari Shamrao Parulekar College of Arts, Commerce, and Science, Talasari, has implemented several water conservation measures:

##### **Construction of Bands and Dams:**

The college has constructed bands and dams to capture rainwater runoff, preventing soil erosion and facilitating groundwater recharge.

##### **Borewell Recharge:**

Initiatives to recharge borewells with rainwater have been undertaken, reducing the dependency on groundwater.

##### **Rainwater Harvesting:**

The college has designed and installed rainwater harvesting structures and bunds across its campus. These structures are strategically placed to collect and channel rainwater into the ground, replenishing groundwater resources.

The college has also conducted extensive plantation drives to increase the green cover on its campus, contributing to improved water retention in the soil.

#### **5.Evidence of success:**

The implementation of these water conservation measures has yielded positive results. Groundwater levels have stabilized and, in some areas, risen. The college has seen a noticeable increase in the green area on campus due to successful plantation drives. These results indicate that the college's efforts in water conservation have been effective in addressing local water scarcity issues and promoting sustainability.

#### **6. Problems Encountered and Resources Required:**

Challenges encountered during the implementation of this practice include initial financial constraints for constructing rainwater harvesting structures and maintenance costs. Adequate resources, including funding, skilled labor, and continuous community involvement, were required to overcome these challenges.



## 7. Notes (Optional):

For other institutions considering the adoption of this best practice, it's essential to emphasize the importance of community engagement and education on water conservation. Collaboration with local authorities and environmental organizations can also provide valuable support.

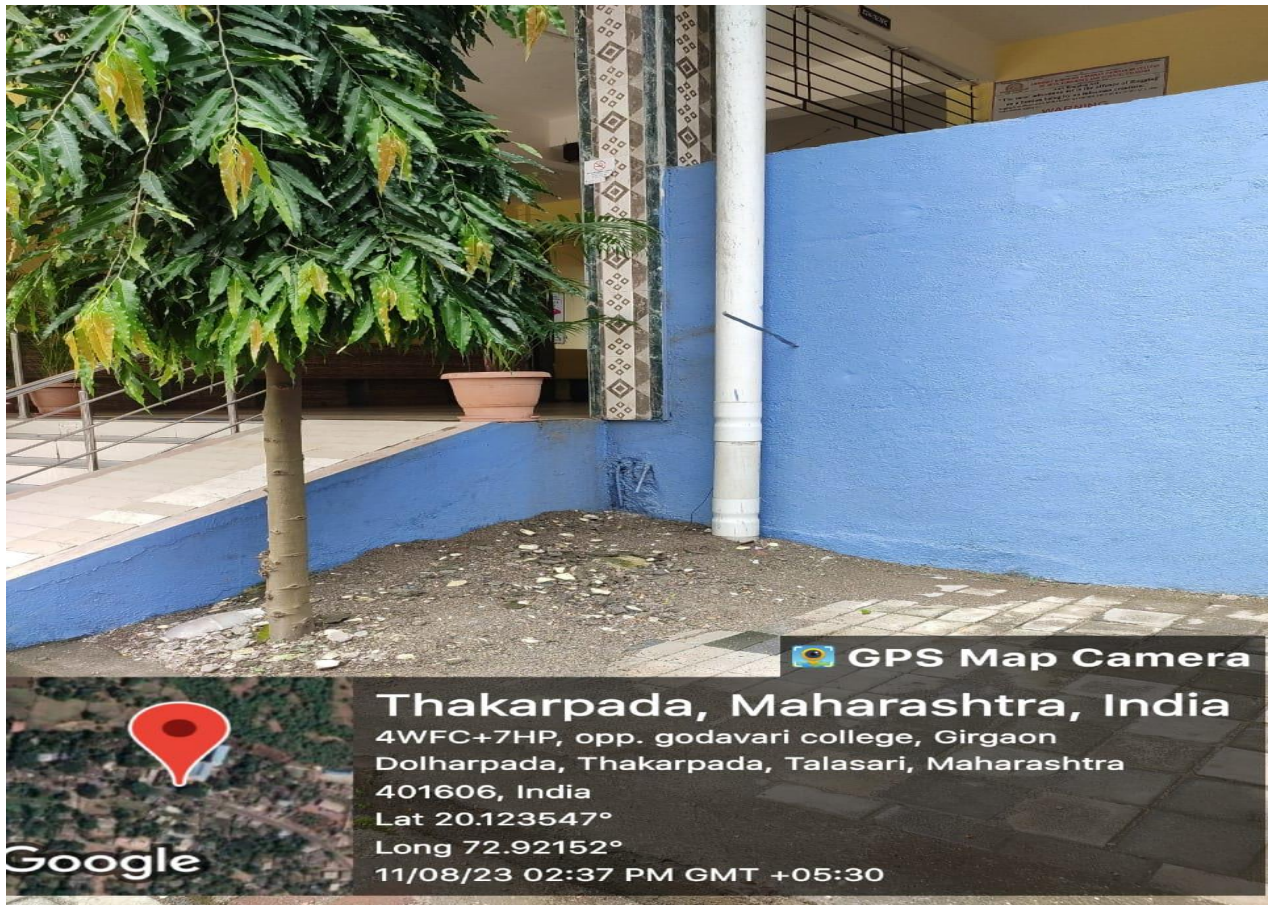
Additionally, showcasing the tangible benefits, such as improved groundwater levels and a greener campus, can motivate other institutions to undertake similar initiatives.



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### 7.1.4 Water conservation facilities available in the institution

#### Bore well Recharge



**Water harvesting plant:**





 **GPS Map Camera**

**Thakarpada, Maharashtra, India**

4WFC+7HP, opp. godavari college, Girgaon Dolharpada,

Thakarpada, Talasari, Maharashtra 401606, India

Lat 20.12349°

Long 72.921572°

12/08/23 11:52 AM GMT +05:30

Google



 **GPS Map Camera**

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**Construction of band by NSS Students in winter camp during 24<sup>th</sup> Dec to 30<sup>th</sup> Dec -2017**



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