



CONSERVATOR OF FORESTS & FIELD DIRECTOR NAWEGAON NAGZIRA TIGER RESERVE GONDIA.

"Vanbhavan" T. B. Toli, Kudwa Road, Gondia. Phone No. 01782- 251232, 251250.

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Desk-Steno/Dr. kahalkar/2020-21/2025

Gondia, Dated: - 11 / 01 / 2022

### Appreciation Letter

Dr. Vasanta Istaru Kahalkar, has been working as Assistant Professor in Mahatma Gandhi Arts, Science and Late N. P. Commerce College, Armori, Gadchiroli District, Maharashtra State. He paid regular visits to Navegaon and Nagzira Tiger Reserve (NNTR) from 15<sup>th</sup> January, 2020 to 15<sup>th</sup> January, 2022 as per the MoU signed between NNTR and the said college. Even before signing MoU, he used to visit NNTR and guided us in the works carried out in meadow. Under his able guidance, NNTR management executed grassland development works at 'Kalimati' and 'Kawalewada', the villages rehabilitated from Navegaon National Park in Navegaon and Nagzira Tiger Reserve, in a systematic and scientific manner. The meadow which was highly infested with weeds has become a meadow enriched with edible grasses and legumes, which in turn benefited the wildlife to a great extent. Now, sighting of wild animals like Indian gaur, chital, etc. has become quite common. Moreover, he also guided the Forest Department staff in identifying the palatable and non-palatable grasses, which is a major and significant contribution to the Forest department.

I wish him good luck for his future endeavors and hope his valuable cooperation with NNTR will be continued forever in the interest of wildlife conservation.

*R. M. Ramanujam* 11/01/22

( R. M. Ramanujam)

Conservator of Forest & Field Director,  
Nawegaon-Nagzira Tiger Reserve, Gondia.



*[Signature]*  
Principal  
Mahatma Gandhi Arts,  
Science & Late  
N P. Commerce College,  
Armori. Dist - Gadchiroli



भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

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ONE  
HUNDRED RUPEES

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भारत INDIA

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DISTRICT TREASURY OFFICE  
GONDIA



11 JAN 2020

T.O./A.T.O./S.T.O.

जाडपत्र - १ (प्रतिज्ञापत्र)

प्रतिज्ञापत्र कोषाकडे सादर कळवयाचे  
प्रतिज्ञापत्रासाठीचे कालावधी  
मुद्रांक विक्री निव्वळपणे सध्या ३ रजिस्टरी पत्र  
मुद्रांक विक्री बाबतचा कोषाकडे अर्ज करून घ्यावा  
मुद्रांक विक्री देण्याबाबतचा  
परवानग्यासह मुद्रांक विक्रीसाठी तशी व  
वाढवण क्रमांक तसेच मुद्रांक विक्रीचे ठिकाण/पत्ता

31.1.2020  
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प्रमाणित  
मुद्रांक विक्री प्रवचनासह कळवण्यात येईल  
पावसाळी १/१/२०२०-२१: २४६ ४

**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into on 15<sup>th</sup> January 2020 ("Effective Date"), at Gondia and shall be in force for a period of 2 years i.e. till 15<sup>th</sup> January 2022 (the "term") by and between:

Navegaon- Nagzira Tiger Reserve, Gondia (hereinafter, First Party) And  
Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori (hereinafter, Second Party)  
Where as Navegaon Nagzira Tiger Reserve, Gondia is mandate of habitat improvement in order to  
augment the wildlife. For this purpose first party requires training of frontline staff, habitat assessment  
and preparation of plan on basis of scientific and technical inputs, monitoring during implementation of  
plan and periodical evaluation of habitat with assistance of second party commencing from 15 January  
2020 until 15 January 2022.

Navegaon Nagzira Tiger Reserve, Gondia and Mahatma Gandhi Arts, Science and Late N.P. Commerce  
College, Armori are hereinafter individually referred to as "Party" and collectively referred to as  
"Parties".



## **A. Introduction**

- A. The aim of this MOU is to set out the framework for the working relationship between Navegaon Nagzira Tiger Reserve, Gondia and Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori.
- B. The MOU is associated with scientific and technical assistance for habitat assessment before intervention, preparation of improvement plan and periodical evaluation after intervention.
- C. The MOU sets out the roles and expresses the convergence of will between both organizations, a common line of action to achieve the objective. Also, the MOU sets out to shape the relationship between the parties and communicate clearly and unambiguously how each party will successfully work together and alongside one another.

## **Parties to the MOU**

Navegaon Nagzira Tiger Reserve, Gondia is having office at Van Bhavan, Kudwa Road, TB Toli, Gondia, Maharashtra 441 614 and wishes to take assistance for improvement of wildlife habitat by scientific intervention through capacity building of field staff and preparation of holistic plan of habitat improvement and periodic evaluation to assess the impact on habitat and wildlife.

**Mahatma Gandhi Arts, Science and Late N.P. Commerce College**, is an educational institute located at Armori, Tal. Armori, Dist. Gadchiroli have team of experienced professors of various subjects including biological sciences. They have always involved in various project of scientific study, assessment, evaluation of natural resources of eastern vidarbha mainly in Gadchiroli, Bhandara and Gondia District.

## **Guiding Principle for Work:**

The MOU shall begin on **15<sup>th</sup> January 2020** and shall be considered for renewal on **16<sup>th</sup> January 2022**. The terms in this MOU may undergo a change in the project period and an addendum will be signed to this MoU for any change in the terms of the MoU.

**Navegaon Nagzira Tiger Reserve, Gondia will be responsible for extending all the assistance to Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori. This assistance consist of transportation and accommodation to specialists and students those involved in the project without any cost.**

**Navegaon Nagzira Tiger Reserve, Gondia will be responsible for the following:**

- Provide the infrastructure for training field staff
- Transportation and accommodation facilities to specialists and students those involved in the project
- Providing the manpower, wherever it is found necessary during field excursion

**Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori will be responsible for the following:**

- Supporting Navegaon Nagzira Tiger Reserve, Gondia to prepare location wise preparation of habitat improvement plans.
- Capacity building of field staff
- Pre and post-assessment of habitat improvement works
- Documentation of floral diversity
- Providing experts and technical manpower in the form of students
- Following rules and regulations related to forest and wildlife



## ARBITRATION

All disputes, differences or questions arising between the Parties in connection with this MOU, including but not limited to the construction of this MOU or the rights, duties or liabilities of either party, will be settled by Arbitration. Arbitration of any dispute may be initiated by one party sending a written demand for Arbitration to the other party. This demand will specify the matter in dispute and request the appointment of an Arbitration panel. The Arbitration panel shall consist of one arbitrator, if both parties can agree on one arbitrator. Otherwise, each party shall appoint its arbitrator and the two appointed arbitrators should appoint the third arbitrator who shall act as a Presiding Officer. The Arbitration proceedings will be conducted in accordance with the Arbitration and Conciliation Act of India, 1996. The site of the Arbitration will be at Gondia. All expenses of the Arbitration shall be borne equally by the Parties, unless the Arbitrators rule otherwise.

## JURISDICTION

Subject to above arbitration clause, the jurisdiction in the matter shall be subject to the courts of Gondia only.

## NOTICE OF TERMINATION

This agreement shall be terminated by either party by giving a written notice of 30 days.

**Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori** shall have the right to terminate the agreement upon giving a one week notice where:

Navegaon Nagzira Tiger Reserve, Gondia commits breach of any of the terms of this agreement.

Navegaon Nagzira Tiger Reserve, Gondia commits any act or omission which harms the reputation of **Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori**

Same conditions of Termination apply to **Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori** in case **Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori** commits breach of any terms of this agreement, commits any act or omission which harms the reputation of Navegaon-Nagzira Tiger Reserve, Gondia.

Signed for and behalf of **Mahatma Gandhi Arts, Science and Late N.P. Commerce College, Armori**

Signature: Kahalkar  
Name: **Dr. Vasanta Kahalkar**  
Designation: **Asst./Asso. Professor**  
**Mahatma Gandhi Arts, Science and**  
**Late N.P. Commerce College Armori**

Date: 15/01/2020  
Designation: Assistant Professor, M.G. Arts Science & Late N.P. Commerce College, Armori.

Signed for and behalf of **Navegaon Nagzira Tiger Reserve, Gondia**

Signature: Ramanujam  
Name: **Mr. R. M. Ramanujam**  
Designation: **Conservator of Forest & Field Director**  
**Nawegaon Nagzira Tiger Reserve, Gondia**  
Date: 15/01/2020  
Designation: **Conservator of Forest & Field Director**  
**Nawegaon Nagzira Tiger Reserve, Gondia**



**Activity Under MoU between Nawegaon- Nagzira Tiger Reserve, Gondia and Mahatma Gandhi Arts, Science and Late N. P. Commerce College, Armori**

**Name of Activity: Identification and Seed collection of Palatable Grasses and Legumes  
(Session 2020 – 2021)**

Grassland is important in Tiger Reserves, because they supply food and habitat for wild animals, birds, and help to maintain the food chain in the core area. In grassland not only grasses form majority of the fodder consumed by animals but legumes, other sedges are also consumed. Grass is a monocot plant that produces a large amount of biomass in a short period of time and by this they play a vital role in ecosystem. As an effort to understand the fodder potential of grasslands of Kalimati and Kawalewada a complete checklist of palatable grass species was compiled. The grasses with awns are consumed before the maturation and after the dispersal of awns.

**Outcomes:**


A total of 22 palatable grass species were documented. Grasses and legumes are identified and recommended for seed collection viz. *Apluda mutica*, *Dactyloctenium aegypticum*, *Dichanthium annulatum*, *Echinochloa colona*, *Ischaemum indicum*, *Iseliema laxum*, *Paspalum scrobiculatum* etc. and legumes *Aeschynomene aspera*, *Cajans scorbooid*, *Crotalaria montana*, *Desmodium dichotomum*, *Stylosanthis fruticosa*, *Vigna trilobata* etc.



**Field visit and guidance to forest field staff by Dr. V. I Kahalkar along with Chief Conservator of Forest and Divisional Forest Officer, Wildlife, NNTR, Gondia**

*Kahalkar*



  
Principal  
Mahatma Gandhi Arts,  
Science & Late  
N. P. Commerce College,  
Armori, Dist - Gadchiroli





**Field visit and guidance to forest field staff by Dr. V. I Kahalkar along with Chief Conservator of Forest, Wildlife, NNTR, Gondia and Range Forest Officer, Navegaon.**

*Kahalkar*  
 (Dr. V. I. Kahalkar)



*[Signature]*  
 Principal  
 Mahatma Gandhi Arts,  
 Science & Late  
 N. P. Commerce College,  
 Armori, Dist - Gadchiroli