



Bahujan Hitay Jagat Shikshan Sanstha Gondiya's
JAGAT ARTS COMMERCE & INDIRABEN HARIHARBHAI
PATEL SCIENCE COLLEGE, GOREGAON-441801 DIST-GONDIA

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Through

Environment and Sustainability

<i>SR. No.</i>	<i>Supportive Documents</i>
<i>1</i>	<i>Green, Environment & Energy Audit</i>
<i>2</i>	<i>Bio-Diversity Conservation</i>
<i>3</i>	<i>Environmental Studies</i>
<i>4</i>	<i>Green Army</i>
<i>5</i>	<i>Plantation</i>
<i>6</i>	<i>Solar Roof-top Power Plant</i>
<i>7</i>	<i>Swachha Bharat Abhiyan</i>
<i>8</i>	<i>Ozone Day</i>

1. Green, Environment & Energy Audit



2. Biodiversity Conservation Organized by Science Society on 28th Feb., 2018



Hon. Guests worship the Goddess Saraswati by lightening the candles.



Principal Dr. N.Y.Lanje sir offering flowers to Hon. Uttam Sawant sir.



Prof. B.M.Roy sir explaining the role of Science Society.



Dr. V.I.Rane sir presenting introductory speech.



Hon. Uttam Sawant sir delivering the guest lecture



Hon. Uttam Sawant sir delivering the guest lecture



Faculty members listening the guest lecture



Principal Dr. N.Y. Lanje sir delivering chairmans speech

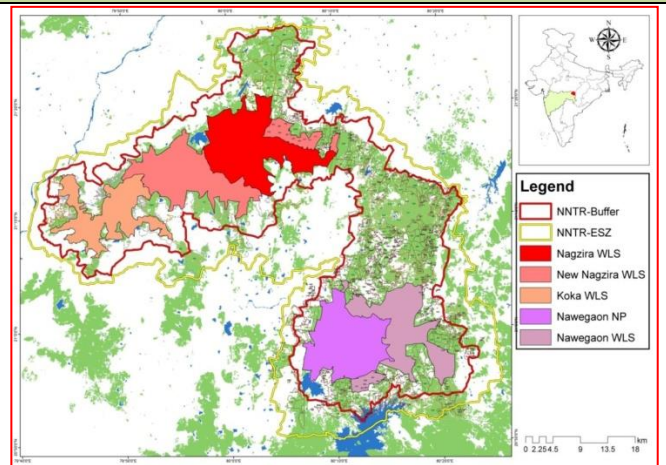


All the guests and students are listening the speech



Dr. Ku. W.J. Meshram madam for Vote of Thanks

Navegaon-Nagzira Tigre Reserve (NNTR) was notified as 46th tiger reserve of India on 12th December, 2013. Its 5th Tiger Reserve of Maharashtra. It is situated in Gondia and Bhandara District in the North-Eastern corner of Maharashtra. NNTR comprise of the said area of Navegaon National Park, Navegaon Wildlife Sanctuary, New Nagzira Wildlife Sanctuary and Koka Wildlife Sanctuary. NNTR has connectivity with the major Tiger Reserves in Central India like Kanha and Pench Tiger Reserve in Madhya Pradesh & Tadoba-Andhari Tiger Reserve in Maharashtra.



Map of NNTR with rich habitat of Tigers

3. Project Reports on Environmental Studies

Projects are conducted for the Students of Environmental Studies every year and Students are used to prepare Reports on Projects as follows

**JAGAT ARTS, COMMERCE AND I.H.P. SCIENCE COLLEGE
GOREGAON, DIST. GONDIA. (M.S.)**

“FAMILY SIZE AND HEALTH.”

Project

Submitted for the educational study in the Faculty of environmental studies
for the session 2016-2017.

By

MISS. ACHAL G. RANE

B.Sc. IV- Semester

Supervisor

Environmental studies

Dr. R. N. Sakhare (Arts)

Mr. M.B. Choudhari (Science)

Mr. J.R. Katre (Commerce)



Co-ordinator

Dr. B.B. Parshuramkar

Co-ordinator

Deptt. of Enviromental Studies

Jagat A. C. and I. H. P. Sci. College,

Goregaon

**JAGAT ARTS, COMMERCE AND I.H.P. SCIENCE COLLEGE
GOREGAON, DIST. GONDIA. (M.S.)**

**“EDUCATION AND EMPLOYMENT STATUS OF
PEOPLE.”**

Project

**Submitted for the educational study in the Faculty of environmental
studies for the session 2017-2018.**

By

MISS. NITA P. KOLHE

B.Sc. IV- Semester

Supervisor

Environmental studies

Dr. R. N. Sakhare (Arts)

Mr. M.B. Choudhari (Science)

Mr. J.R. Katre (Commerce)

Co-ordinator

Dr. B.B. Parshuramkar

Co-ordinator
Dept. of Environmental Studies
Jagat A. C. and I. H. P. Sci. College,
Goregaon

**JAGAT ARTS, COMMERCE AND I.H.P. SCIENCE COLLEGE
GOREGAON, DIST. GONDIA. (M.S.)**

***“EDUCATION OF WOMEN AND STRUCTURE OF
FAMILY.”***

Project

**Submitted for the educational study in the Faculty of environmental
studies for the session 2018-2019.**

By

MISS. MINAL J. RAHANGDALE

B.Sc. IV- Semester

Supervisor

Environmental studies

Dr.. R. N. Sakhare (Arts)

Mr. M.B. Choudhari (Science)

Mr. J.R. Katre (Commerce)

Co-ordinator

Dr. B.B. Parshuramkar

**JAGAT ARTS, COMMRC E AND I.H.P. SCIENCE COLLEGE
GOREGAON, DIST. GONDIA. (MS)**

**“IMPACT OF EDUCATION ON LIVING STANDARD
OF VILLAGE SONI.”**

Project

Submitted for the educational study in the Faculty of environmental studies
for the session 2019-2020.

By

MR. NIKHIL B. PARSHURAMKAR

B.Sc. IV- Semester

Supervisor

Environmental studies

Dr. R. N. Sakhare (Arts)

Mr. M.B. Choudhari (Science)

Mr. J.R. Katre (Commerce)

Co-ordinator

Dr. B.B. Parshuramkar

Co-ordinator
Deptt. of Enviromental Studies
Jagat A. C. and I. H. P. Sci. College,
Goregaon

4. Green Army run by Department of Botany (2018-19)

Plantation program and Plant Donation program were organized on 7th July, 2018 & 22nd September 2018 respectively for students of Green Army as follows.

PLANTATION PROGRAM



Shri. S.M Jadhav sir, RFO, Goregaon demonstrating the method of plantation in monsoon for students f Green Army.



Dr. V.I. Rane sir & Dr. B.G. Suryawanshi sir with volunteers planting a tiny plantlet of Amaltas.



Dr. N.Y. Lanje sir (Principal) & Dr. S.H. Bhairam sir with volunteers planting a tiny plantlet of Jambhul

PLANT DONATION PROGRAM



Principal with faculty members on the dias



Green army volunteers attending the program



A video clip on plantation was presented to Green Army volunteers by Dr. V.I. Rane



Principal Dr. N.Y. Lanje presenting a sapling to volunteer



Vice-Principal Dr. S.H. Bhairam presenting a sapling to volunteer



Dr. V.I. Rane presenting a sapling to volunteer



Dr. B.B. Parashuramkar presents a sapling to volunteer



Dr. B.G. Suryawanshi presenting a sapling to volunteer



Mr. M.B. Choudhari presenting a sapling to volunteer



Principal Dr. N.Y. Lanje presenting the chairman speech

5. Plantation by Plantation Committee and NSS



Staff and Students were present on occasion of plantation dated 1st July, 2016



Staff, Students and Guests were gathered on occasion of plantation dated 1st July, 2017



Information was given by Shri S.M. Jadhav (RFO, Goregaon) on technical protocol for plantation in monsoon on 7th July, 2018



Shri. Digamberji Tembhare (Member CDC), Mr. Manish Jain (President, Alumni Association), Shri. Pravin Sathawane (RFO, Goregaon) were present with staff and NSS valunteers on the occassion of plantation on 16th July, 2019 in college premise



A sapling of Saptparni was planted by Dr. N.Y.Lanje sir (Principal) & Dr. S.H.Bhairam sir (Vice-principal) in presence of staff and NSS valunteers



A sapling of Goldmohor was planted by Dr. N.Y.Lanje sir (Principal) & Dr. B.G.Suryawanshi sir (Plantation committee in-charge) in presence of staff and NSS valunteers

6. Solar Rooftop Power Plant (Alternate Sources Of Energy)



Total 12 solar panels are installed on roof of Conference Hall

Grid Tide with Net Metering for PPA with MSEDCL

AGREEN ALLIED SERVICES PVT. LTD
A-11, Yashoda Nagar, Phase-I, Hingna Road, Nagpur-440036 Maharashtra, India
Ph : 91-712-2247629 M : 9689887575 Email : agreenaspl@gmail.com Web : www.agreen.in
TIN : 27911003640 V + CST : 27911003640 C + PAN : AAKCA1122E + CIN : U51101MH2011PTC222761

Invoice

Invoice No.: AGREEN/03/121
Purchase Order No.: 01
Delivery: At Site
Name of Purchaser: **Principal,**
Address: Jagat Arts, Commerce & Indiraben Hariharbhai Patel Science College,
Goregaon,
Dist. Gondia, M. S.

Invoice Date: 25/09/2017
Payment: DD / RTGS/Cheque

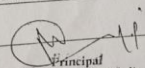
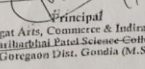
Sr. No.	Product Description	Quantity	UOM	Rate in Rs.	Amount In Rs.
1.	Solar Rooftop Power Plant – 3.2 Kw, Grid Tied with Net Metering for PPA with MSEDCL. a) 03 Kw Grid Tie Inverter (PCU), b) 320w x 10 = 3.2 Kw Solar Panels & Fixtures. Installation and Minor Wiring is included with 05 years of warranty.	01	Nos.	Rs. 2,10,000/-	Rs.2,10,000/-
2.	HPL MAKE ELECTRONIC SINGLE PHASE NET METER, 10-60 A, SPPB152111100000C01. (IMPORT - EXPORT)			Rs.9600/-	Rs.9600/-
	Subject to Power Purchase Agreement with MSEDCL.				
	Total				Rs.2,19,600/-
	Bank Account Name: Agreen Allied Services Pvt. Ltd. Name of Bank: State Bank of India, Main Branch, Nagpur: M. S. Account No.: 32172929062 IFS Code: SBIN0000432			GST Central 2.5% State 2.5% Total Roundoff	5490/- 5490/- Rs.2,30,580/-

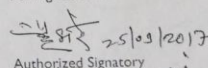
Total Of Two Lakh Thirty Thousand Five Hundred & Eighty Rupees Only.
COMPANY PAN No.: AAKCA1122E

GST No.: 27AAKCA1122E1Z7.

Terms & Conditions:

1. Proper Care of Goods is expected from users.
2. Goods once sold will not be taken back.
3. Payment are to be made immediate.
4. Over Due Interest will be charged 24% p. a.
5. No claim shall be entertained unless notified in written within 7 days from the date of delivery.
6. Out station cheques to include collection charges.
7. Legal matters if any are subject to Nagpur Jurisdiction only.
8. Guarantee is applicable if the product is intended to its proper usage with proper installations procedure.

Installation By : 
Received by: 
Jagat Arts, Commerce & Indiraben Hariharbhai Patel Science College,
Goregaon Dist. Gondia (M.S.)

For Agreen Allied Services Pvt. Ltd.

Authorized Signatory
Jagat Arts, Commerce & Indiraben Hariharbhai Patel Science College,
Goregaon Dist. Gondia (M.S.)

अग्रिन सोलर
अग्रिन सोलर प्रोडक्ट्स

A purchase Bill for Solar Rooftop Power Plant from Agreen Allied service Pvt. Ltd. Nagpur

7. Swachha Bharat Abhiyan



NSS volunteers and students in Swachhata Pakhwada Rally



Dr. N. Y. Lanje addressing the students during Swachha Bharat Abhiyan (Road Show)



Garbage Carrier Cart of Nagar Panchayat removing the Garbage





NSS volunteers clearing the road side garbage various places at Goregaon.

8. Ozone Day

Introduction: Department of Chemistry, Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College Goregaon has organized "OZONE DAY QUIZ 16th September, 2020" on the eve of OZONE DAY. E-certificate sent on valid email address within 15 days. The link is <https://forms.gle/1GmAZdBLgSsQd7yo9> Total participants were 300 from various schools and colleges.

<div style="background-color: #008080; color: white; padding: 10px; border: 1px solid black;"> <p>"OZONE DAY QUIZ" 16 SEPTEMBER DEPARTMENT OF CHEMISTRY, JAGAT ARTS, COMMERCE AND I. H. P. SCIENCE COLLEGE GORE... docs.google.com</p> <p>Welcome, Department of Chemistry, Jagat Arts, Commerce and Indiraben Hariharbhai Patel Science College Goregaon has organized "OZONE DAY QUIZ 16 SEPTEMBER" on the eve of OZONE DAY.</p> <p>E-certificate will be sent on your valid email address (secured 80%). Join and submit https://forms.gle/1GmAZdBLgSsQd7yo9</p> <p>Any query contact to Dr. Sanjiokumar Rahangdale, Convener</p> <p>Co-ordinator, Dr. N. Y. Lanje, Principal</p> <p style="text-align: right;">2:09 pm ✓</p> </div>	<div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align: center;">QUIZ</h3> <p>Description (optional)</p> <hr/> <p>1. What element makes up ozone? *</p> <p><input type="radio"/> Nitrogen</p> <p><input type="radio"/> Carbon</p> <p><input type="radio"/> Oxygen</p> <p><input type="radio"/> Hydrogen</p> <hr/> <p>2. Why UV radiation is higher in summer? *</p> <p><input type="radio"/> The Sun is closer to planet earth so UV rays have a sh...</p> <p><input type="radio"/> There is more ozone in the atmosphere during summer</p> <p><input type="radio"/> The Sun is particularly busy in summer</p> <p><input type="radio"/> None of these</p> </div>
<p><i>Link was circulated for participants</i></p>	<p><i>Questionari for participants</i></p>
<div style="border: 1px solid black; padding: 10px;"> <p>3. Which product contain ozone depleting substances?1. * Motorbike 2. Car with AC 3. Spray 4. Oven 5. Refrigerator 6. Pesticides 7. Fire extinguisher</p> <p><input type="radio"/> 1,2,3,4,5,6</p> <p><input type="radio"/> 2,3,4,6,7</p> <p><input type="radio"/> 2,4,5,6,7</p> <p><input type="radio"/> 2,3 4,5,6,7</p> <hr/> <p style="text-align: center;">:::</p> <p>4. When was the first ozone hole discovered? *</p> <p><input type="radio"/> 1980s</p> <p><input type="radio"/> 1950s</p> <p><input type="radio"/> 1970s</p> <p><input type="radio"/> 1990s</p> <hr/> <p>5. In which sphere ozone layer depletion is found? *</p> <p><input type="radio"/> Stratosphere</p> </div>	<div style="border: 1px solid black; padding: 10px;"> <p><input type="radio"/> Lithosphere</p> <p><input type="radio"/> None of these</p> <hr/> <p>6. Which of the following is a prime health risk associated * with greater UV radiation through the atmosphere due to the depletion of the ozone layer?</p> <p><input type="radio"/> Damage to the digestive system</p> <p><input type="radio"/> Increased risk of liver cancer</p> <p><input type="radio"/> Increased risk of skin cancer</p> <p><input type="radio"/> Neurological disorder</p> <hr/> <p style="text-align: center;">:::</p> <p>7. Montreal protocol is related to the: *</p> <p><input type="radio"/> Global warming</p> <p><input type="radio"/> Ozone layer depletion</p> <p><input type="radio"/> Sustainable development</p> <p><input type="radio"/> Food security</p> </div>

<div> <p>8. What type of UV radiation does most sunscreen protect against. *</p> <p><input type="radio"/> UVC</p> <p><input type="radio"/> UVB</p> <p><input type="radio"/> UVD</p> </div> <div> <p>9. CFCs are green house gases that have caused a rise of 3 degree C in the global temperature in the past century. Name the CFC that is used in refrigerator. *</p> <p><input type="radio"/> Carbon dioxide</p> <p><input type="radio"/> Methane</p> <p><input type="radio"/> Ammonia</p> <p><input type="radio"/> Freon</p> </div> <div> <p>10. How much ozone can one kilogram of halon 1211 destroy? *</p> <p><input type="radio"/> 1 kilogram</p> </div>	<div> <p><input type="radio"/> 100 tonnes</p> <p><input type="radio"/> 50 kilograms</p> <p><input type="radio"/> 50 tonnes</p> </div> <div> <p>11. What is the difference between synthetic greenhouse gases and other green house gases. *</p> <p><input type="radio"/> a. Green house gases are found in green houses, synt...</p> <p><input type="radio"/> b. Green house gases occur naturally and through hu...</p> <p><input type="radio"/> c. Synthetic green house gases all contain silicon, oth...</p> <p><input type="radio"/> Both a. and b.</p> </div> <div> <p>12. Which is correct one ? *</p> <p><input type="checkbox"/> Ozone layer would be 3 mm thick.</p> <p><input type="checkbox"/> Clouds can block some but not all of UV radiation.</p> <p><input type="checkbox"/> About 1 million cases are reported yearly in US.</p> <p><input type="checkbox"/> Stay out of the Sun between 11 AM - 3 PM to protect y...</p> </div>
<p><i>Questionari for participants</i></p>	<p><i>Questionari for participants</i></p>
<p>Aims and Objective: The Ozone layer is a piece of the atmosphere that has high ozone concentrations. Ozone is a gas that is made of three oxygen atoms, O₃. Depending on where the ozone layer is, it can either harm life or protect life on Earth.</p>	<div> <p>Certificate No.- {{certificate id}}</p> <p>JAGAT ARTS, COMMERCE AND INDIRABEN HARIHARBHAI PATEL SCIENCE COLLEGE GOREGAON – 441801 Department Of Chemistry 16 SEPTEMBER "OZONE DAY CELEBRATION" QUIZ COMPETITION CERTIFICATE</p> <p>This is to certify that {{Full Name}} has participated in the 'Ozone Day Celebration' Quiz Competition conducted by the college.</p> <p> Dr. N. Y. Lanje (PRINCIPAL)</p> <p> Dr. Sanjokumar Rahangdale (CONVENOR)</p> </div>

"Protect the Nature, Protect the Life"