



Rashtrasant Tukdoji Maharaj Nagpur University

(Government of Central Provinces, State University established by Education Department Notification No. 513 dated August 1, 1923, and governed by

the Maharashtra Public University Act, 2016 (Maharashtra Act No. 6 of 2017)

College Development Department

Chhatrapati Shivaji Maharaj Administrative Complex, Rabindranath Tagore Marg, Nagpur - 440001

Phone No: 0712-2529932 Fax No: 0712-2555701, E-mail ID: infoarcollege@ymail.com

No.M.V./472

Dated : 28-06-2023

Copies,

Principal,
Late Nirdhanrao Patil Waghaye Arts, Commerce and Science College
Andhalgaon Ta.- Mohadi, Dist.- Bhandara - 441914

Subject :Regarding providing continuous affiliation as per academic and administrative audit of the college.

Sir/Madam,

As per Section 37(j),(k) and 114 of the Maharashtra Public University Act, 2016 , regarding the application submitted by you for academic and administrative audit on 15-04-2023 to extend the continuous affiliation period of the ongoing courses in your college, we are hereby informed that, According to the recommendation made by the Academic and Administrative Audit Committee as well as the Board of Trustees, Hon. The Vice-Chancellor has approved under Section 12(7) of the Maharashtra Public University Act, 2016 dated 23-06-2023.

On behalf of the Faculty Council Hon. As per the approval given by the Vice-Chancellor, continuous affiliation is being provided to the courses as mentioned in the table below.

A.No.	faculty	Course / Subject / Admission Capacity	year
1	Humanities	BA [(Economics) (English) (English Literature) (Geography) (History) (Marathi) (Marathi Literature) (Political Science) (Sociology)] - [Marathi Medium] - 120 Students	For the session 2023-24
2	Commerce and Management	Bachelor of Commerce [As Per Syllabus] - [Marathi Medium] - 120 Students	For the session 2023-24
3	Science and Technology	Bachelor of Science [(Botany) (Chemistry) (English) (Marathi) (Mathematics) (Physics) (Zoology)] - [English Medium] - 120 Students	For the session 2023-24

Your faithful,

(Dr. Raman Madane)
Deputy Chancellor

R.T.M. Nagpur University, Nagpur
R.T.U.M. Nagpur University,

Copy forwarded for information :-1. Hon. Director (Board of Examinations and Evaluation), R.T.U.M. Nagpur University, Nagpur


PRINCIPAL
Late N.P.W. College
Andhalgaon Dist.-Bhandara





राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ
(संयुक्त प्रोव्हिसेंस शासन, शिक्षण विभागाची अधिसूचना क्रमांक ५१३ दिनांक १ ऑगस्ट, १९८३ द्वारा स्थापित, व महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ (सन २०१७ चा महाराष्ट्र अधिनियम क्रमांक ६) द्वारा मंचानित राज्य विद्यापीठ)

महाविद्यालय विकास विभाग

जमनालाल बजाज प्रशासकीय भवन, महात्मा जोतिबा फुले शैक्षणिक परिसर, कॉम्पस चौक ते अंबावरी टी-पॉईंट मार्ग, नागपूर - ४४००३३
दुरध्वनी क्रमांक: ०७१२-२५२९९३२ फॅक्स नं: ०७१२-२५५५७०१, E-mail ID: infoarcollege@gmail.com

क्र.म.वि./४७२

दिनांक : 28-06-2023

प्रती,

प्राचार्य,
स्व. निर्धणराव पाटील वाघाये कला, वाणिज्य व विज्ञान महाविद्यालय
आंधळगाव ता.- मोहाडी, जि.- भंडारा - 441914

विषय :- महाविद्यालयाचे शैक्षणिक व प्रशासकीय लेखापरीक्षणानुसार निरंतर संलग्निकरण प्रदान करणेबाबत.

महोदय/महोदया,

महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम ३७(j),(k) व ११४ नुसार आपल्या महाविद्यालयातील चालु अभ्यासक्रमांचे निरंतर संलग्निकरण काळ वाढविण्यासाठी आपण दि.15-04-2023 रोजी शैक्षणिक व प्रशासकीय लेखापरीक्षण करण्याकरिता मादर केलेल्या अर्जाच्या संदर्भात आपणांस कळविण्यात येते की, शैक्षणिक व प्रशासकीय लेखापरीक्षण समितीने तसेच अधिष्ठाता मंडळाने केलेल्या शिफारशीनुसार आपल्या महाविद्यालयाचा खालील प्रमाणे नमूद अभ्यासक्रमांचा निरंतर संलग्निकरण काळ वाढविण्यास विद्यापीठाच्या विद्यापरिपदेच्या वतीने मा. कुलगुरुंनी महाराष्ट्र सार्वजनिक विद्यापीठ अधिनियम, २०१६ च्या कलम १२(७) अंतर्गत दि.23-06-2023 ला मान्यता दिली आहे.

विद्यापरिपदेच्या वतीने मा. कुलगुरुंनी दिलेल्या मान्यतेनुसार खालील तक्त्यात नमूद केल्याप्रमाणे अभ्यासक्रमांना निरंतर संलग्निकरण प्रदान करण्यात येत आहे.

अ.क्र. विद्याशाखा	अभ्यासक्रम / विषय / प्रवेश क्षमता	वर्ष
1 मानवीय शास्त्र	बी.ए.([अर्थशास्त्र] (इंग्रजी) (इंग्रजी वाङ्मय) (भूगोल) (इतिहास) (मराठी) (मराठी वाङ्मय) (राज्यशास्त्र) (समाजशास्त्र)] - [मराठी माध्यम] - 120 विद्यार्थी	सत्र २०२३-२४ करिता
2 वाणिज्य व व्यवस्थापन	बॅचलर ऑफ कॉमर्स[As Per Syllabus] - [मराठी माध्यम] - 120 विद्यार्थी	सत्र २०२३-२४ करिता
3 विज्ञान व तंत्रज्ञान	बॅचलर ऑफ सायंस([वनस्पती शास्त्र] (रसायन शास्त्र) (इंग्रजी) (मराठी) (गणित) (भौतिक शास्त्र) (प्राणीशास्त्र)] - [इंग्रजी माध्यम] - 120 विद्यार्थी	सत्र २०२३-२४ करिता

आपला विश्वासू,

(डॉ.रमण मदने)

उपकुलसचिव

रा.तु.म. नागपूर विद्यापीठ, नागपूर

प्रति माहितीकरिता अर्पणित :-

१. मा. संचालक(परीक्षा व मुख्यमापन मंडळ), रा.तु.म. नागपूर विद्यापीठ, नागपूर

(डॉ.रमण मदने)

उपकुलसचिव

रा.तु.म. नागपूर विद्यापीठ, नागपूर



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

(Establishment by Government of Central Provinces Education Department by Notification No. 513 Dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017))

COLLEGE DEVELOPMENT SECTION

Jamnalal Bajaj Administrative Building, Mahatma Jyotiba Fuley Educational Campus, Campus to Ambazari T-Point Road Nagpur-440033 Phone No. 0712-2529932, 2522390 Fax No. 0712-2555701,
Email ID : infoarcollege@ymail.com

No. RTMNU/CDS/4877

Dated : 07-07-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Late Nirdhanrao Patil Waghaye Arts, Commerce and Science College, Andhalgaon Tah. Mohadi, Dis. Bhandara – 441 914 is affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University since 2008 and the following Programmes/ courses/Subject are taught in the said College, as per approval.

Programmes	Courses & Subjects	Duration	Affiliation Permanent/ Temporary	Validity period
UG	Bachelor of Art (B.A.) Economics, English, English Literature, Geography, History, Marathi, Marathi Literature, Political Science, Sociology. Intake Capacity-120	3Year	Temporary	2023-24
	Bachelor of Commerce (B.Com.) As per the syllabus of parent University Intake Capacity-120	3Year	Temporary	2023-24
	Bachelor of Science (B.Sc.) Compulsory English, Compulsory Marathi, Botany, Chemistry, Mathematics, Physics, Zoology. Intake Capacity-120	3Year	Temporary	2023-24

(Dr. Raman Madne)

Dy. Registrar



Laxmi Shikshan Sanstha & Krida Mandal's College Code :- 524

**Late Nirdhanrao Patil Waghaye Arts, Commerce &
Science College Andhalgaon**
Ta: Mohadi Dist: Bhandara 441914
(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

Email Id: - latenpwcandhalgaon@gmail.com

Website: - www.npwcandhalgaon.org

Ref. No. :- NPWC/

Date:-

AAA REPORT AND DETAILS OF FOLLOW UP ACTIONS :

After scrutinizing AAA proposal of college RTMNU has given Approval for the
Academic Year 2023-24.

Sr. No.	Report from RTMNU	Follow up actions by College
1	Provide the details of ICT facilities	College has provided all the details of ICT
2	Laboratory Equipment details	College provided certified list of equipments
3	Number of Computers available As per University norms for the course	There are no specific norms for B.A., B.Com, B.Sc. Programmes. College provided the list of Computers with its specifications.
4	Books in the Library	College provided detail list of Books and Copy of accession register.


PRINCIPAL
Late N.P.W. College
Andhalgaon Dist.-Bhandara

Laxmi Shikshan Sanstha & Krida Mandal Kesalwada/wagh
**Late Nirdhanrao Patil Waghaye Arts, Commerce &
Science College Andhalgaon**

Ta: Mohadi Dist: Bhandara 441914

Rashtrasant Tukadoji Maharaj Nagpur University Nagpur Affiliated

Email Id :- latenpwcandhalgaon@gmail.com

College Code :- 524

Ref. No. :- NPWC/

Date :-

**MEMORANDUM OF UNDERSTANDING FOR SERVING THE
SOCIETY AND NATION**

Between

**Late N. P. W. Arts, Commerce & Science College
Andhalgaon**

And

Maharashtra Forest Department Tumsar

Purpose:

The purpose of this Agreement is to develop character, comradeship, discipline, a secular outlook, opportunities to serving for the Environment, Society and Nation in the College of Late N. P. W. Arts, Commerce & Science College Andhalgaon and Maharashtra Forest Department Tumsar.

About Maharashtra Forest Department Tumsar

Maharashtra forest department is present in the Tumsar village and they are doing very hard work to do conserve forest and wild animals. Also helps to maintain peace and discipline in nearby villages of forest. Forest department promotes the different programmes like Social afforestation, Tree plantation, Conservation of Wild animals and Forest.

About Late N.P.W. Art, Commerce and Science College Andhalgaon

The Late N.P.W. Art, Commerce and Science College Andhalgaon is work under the Laxmi Sikshan Sanstha Kesalwada (Wagh). Our college was established in 2008 and presently Dr. A.A. Shrungarpure is working as a principle in Late N.P.W. Art, Commerce and Science College Andhalgaon.

Need of MOU

Lot of forest area, Sanctuary and nursery are comes under the Maharashtra forest department Tumsar. These whole covered area is in remote place so to conduct smoothly awareness programme they need extra hands like students, social workers, So our NSS and college students will helps to them to conduct such a function smoothly. It will help to develop social, national, environmental responsibility, discipline, and moral values in our students.

Types of Cooperation:

Through this memorandum, both Parties affirm the value of international collaboration and agree to promote the following activities:

1. NSS students will be promoted for duties during Programme like Social afforestation, Tree plantation.
2. Maharashtra forest administration will provide the snacks for those students who came for the duties.
3. Maharashtra forest department will give workshop/Instruction to our students to understand the nature and moral of duties.
4. Maharashtra forest department will conduct some seminar and workshop for our students.
5. Our students will be actively participating in "Forest mitra yojana".

Terms:

This Agreement will become effective upon the date of signature by both the parties. It shall remain valid for a period of Three (3) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties.

This Agreement may be terminated by either Party with advance written notice of at last thirty (30) days. Upon notice of termination both **Late N. P. W. Art, Commerce and Science College Andhalgaon And Maharashtra Forest Department Tumsar.**

This memorandum of understanding completed is hereby signed in two (2) Copies with One (1) copy remaining in the possession of each Institution. **Late N. P. W. Art, Commerce and Science College Andhalgaon And Maharashtra Forest Department Tumsar.**

Principal (Signature) Dr. A. A. Shrungarpure

Maharashtra forest department , Tumsar (Signature)


वन परिक्षेत्र अधिकारी
तुमसर

Laxmi Shikshan Sanstha & Krida Mandal Kesalwada/wagh
**Late Nirdhanrao Patil Waghaye Arts, Commerce &
Science College Andhalgaon**

Ta: Mohadi Dist: Bhandara 441914

Rashtrasant Tukadoji Maharaj Nagpur University Nagpur Affiliated

Email Id :- latenpvcandhalgaon@gmail.com

College Code :- 524

Ref. No. :- NPWC/

Date :-

**MEMORANDUM OF UNDERSTANDING FOR SERVING THE
SOCIETY AND NATION**

Between

**Late N. P. W. Art, Commerce and Science College
Andhalgaon**

And

Police station Andhalgaon

Purpose:

The purpose of this Agreement is to develop character, comradeship, discipline, a secular outlook, opportunities to serving the society and nation in the College of Late N. P. W. Art, Commerce and Science College Andhalgaon And Police station Andhalgaon.

About Police station Andhalgaon

Andhalgaon police station is present in the Andhalgaon village and they are doing very hard work to maintain peace and discipline in nearby places. At presentemployee working in the police station and they managesvillages.

About Late N.P.W. Art, Commerce and Science College Andhalgaon

The Late N.P.W. Art, Commerce and Science College Andhalgaon is work under the Laxmi Sikshan Sanstha Kesalwada (Wagh). Our college was established in 2008 and presently Dr. A.A. Shrungarpure is working as a principle in Late N.P.W. Art, Commerce and Science College Andhalgaon.

Need of MOU

Police station Andhalgaon is in remote place area and there is lot of festivals, yatras, and function is carried out so lot of stress is observed on police officers so our NSS and college students will helps to them to conduct such a function smoothly. It will help to develop social, national responsibility, discipline, and moral values in our students.

Types of Cooperation:

Through this memorandum, both Parties affirm the value of international collaboration and agree to promote the following activities:

1. NSS students will be promoted for duties during festivals, yatras, functions etc.
2. Police station administration will provide the snacks for those students who came for the duties.
3. Police station will give workshop/Instruction to our students to understand the nature and moral of duties.
4. Police station will conduct some seminar and workshop for our students.
5. Our students will be actively participating in "Police mitra yojana".

Terms:

This Agreement will become effective upon the date of signature by both the parties. It shall remain valid for a period of five (5) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties.

This Agreement may be terminated by either Party with advance written notice of at last thirty (30) days. Upon notice of termination both **Late N. P. W. Art, Commerce and Science College Andhalgaon And Police station Andhalgaon.**

This memorandum of understanding completed is hereby signed in two (2) Copies with One (1) copy remaining in the possession of each Institution. **Late N. P. W. Art, Commerce and Science College Andhalgaon And Police station Andhalgaon.**

Principal (Signature) Dr. A. A. Shrungarpure


Principal
Late N.P.W. College
Andhalgaon, Dist. Bhandara

Head Police station (Signature)


राजे अमलदास
पोलीस स्टेशन, सायबळगाव
जि. बंडारा



Laxmi Shikshan Sanstha & Krida Mandal Kesalwada/wagh
**Late Nirdhanrao Patil Waghaye Arts, Commerce &
Science College Andhalgaon**

Ta: Mohadi Dist: Bhandara 441914

Rashtrasant Tukadoji Maharaj Nagpur University Nagpur Affiliated
Email Id :- latenpwcandhalgaon@gmail.com **College Code :- 524**

Ref. No. :- NPWC/

Date :-

**MEMORANDUM OF UNDERSTANDING FOR
PROVIDING HEALTH CARE SERVICES**

Between

Late N.P.W. Art, Commerce and Science College Andhalgaon, Maharashtra

And

Primary Health Care Center (PHC) Andhalgaon

Purpose:

The purpose of this agreement is to provide awareness and health facilities to
Students and Employee of Late N.P.W. Art, Commerce and Science College
Andhalgaon, Maharashtra

This MOU is signed between Late N.P.W. Art, Commerce and Science College Andhalgaon, Maharashtra and Primary Health Care Center (PHC) Andhalgaon on dated/...../2023. This MOU is basically for the purpose of sharing knowledge about health , diseases, immunity power , yoga, recent trends in medicines and opportunities in medical sciences. Also Hospital will provide health checkup and equipped ~~free ambulance~~ as and when needed for emergency. Hospital will conduct free health talks by various specialties and organize periodical health checkup (Height, Weight, BP, Pulse, and General Examination) camps.

Terms:

This Agreement will become effective upon the date of signature by both the parties. It shall remain valid for a period of Three (3) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties. This Agreement may be terminated by either Party with advance written notice of at last thirty (30) days.

For Late N.P.W. Art, Commerce and Science College Andhalgaon Maharashtra Name: _____ Designation :Principal Signature: _____ Date: _____ Place: _____ Principal Late N.P.W. College Andhalgaon, Dist. Bhandara	For P H C Andhalgaon Name: Dr. H. B. Maty Designation : M. D. Signature: _____ Date: _____ Place: _____ Medical Office. Primary Health Center Andhalgaon S. Mahadi. Dist. Bhandara
--	---

Laxmi Shikshan Sanstha & Krida Mandal Kesalwada/wagh
**Late Nirdhanrao Patil Waghaye Arts, Commerce &
Science College Andhalgaon**
Ta: Mohadi Dist: Bhandara 441914

Rashtrasant Tukadoji Maharaj Nagpur University Nagpur Affiliated
College Code :- 524
Email Id :- latenpwcandhalgaon@gmail.com

Ref. No. :- NPWC/

Date :- 26/03/2021

**MEMORANDUM OF UNDERSTANDING FOR ACADEMIC AND
RESEARCH COOPERATION**

Between

**Late N. P. W. Arts, Commerce and Science
College Andhalgaon**

And

Chetanagiri Biotech LLP, Sakoli.

Purpose:

The purpose of this Agreement is to promote cooperation in education and research in the College of Late N. P. W. Arts, Commerce & Science College Andhalgaon And Chetanagiri Biotech LLP, Sakoli.



Types of Cooperation:

Through this memorandum, both Parties affirm the value of international collaboration and agree to promote the following activities:

1. To run Research projects in fields of mutual interests;
2. To share the academic publications and reports;
3. Opportunities for faculty to avail laboratory and library facilities;
4. Invitation to faculties for guest lecturers;
5. Joint organization of National / International Academic activities.
6. Faculty & students exchange in various academic activities.

As mutually agreed

This Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each institution. Subsequent program agreements must be approved in writing by the authorized representatives of each institution. **Principal, Dr. A. A. Shringarpure** will serve as the primary liaison between the two institutions to facilitate the development of future activities.

Terms:

This Agreement will become effective upon the date of signature by both the parties. It shall remain valid for a period of five (5) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties.

This Agreement may be terminated by either Party with advance written notice of at last thirty (30) days. Upon notice of termination **Late N. P. W. Arts, Commerce & Science College Andhalgaon And Chetanagiri Biotech LLP, Sakoli** agree to work in good faith to enable visiting scholars to complete their respective research programs unhindered by the termination. The agreement may be extended by mutual consent of the two parties after the five (5) periods of years and it must renew in writing.

This memorandum of understanding completed is hereby signed in two (2) Copies with One (1) copy remaining in the possession of each Institution. **Late N. P. W. Arts, Commerce & Science College Andhalgaon And Chetanagiri Biotech LLP, Sakoli.**

Principal (Signature)

Dr. A. A. Shringarpure

Principal

Late N.P.W. College

Andhalgaon, Dist. Bhandara

Director (Signature)

Dr. Girish Korekar

Dr. GIRISH KOREKAR
DIRECTOR
CHETNAGIRI BIOTECH LLP
SAKOLI, MAHARASHTRA
441802

In charge Industry-Institute interaction Cell

Dr. Sudhirkumar R. Munishwar

[Signature]



MEMORANDUM OF UNDERSTANDING (MoU) No./PDIMTR/ 1022

Date: 17th March '2023

BETWEEN

SSES's DHANWATE NATIONAL COLLEGE NAGPUR

AND

NPW's ARTS, COMMERCE & SCIENCE COLLEGE, ANDHALGAON, BHANDARA

This Memorandum of Understanding (hereinafter called as the 'MoU') is entered on dated 27.03.2023 between **SSES's Dhanwate National College, Nagpur**, the First Party represented herein by its Principal, and **NPW's Arts, Commerce & Science College, Andhalgaon, Bhandara**, the Second party, and represented herein by its Principal.

WHEREAS:

1. First Party is a Higher Educational Institution named Dhanwate National College, Nagpur
2. Second Party is also a Higher Educational Institution named Arts, Commerce & Science College, Andhalgaon, Bhandara
3. First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
4. The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education, Placement, Industrial Visit and Expert Lectures.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1: CO-OPERATION

1. Both Parties are united by common interests and objectives, and they shall establish co-operation.
2. First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
3. The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

CLAUSE 2: SCOPE OF THE MoU

1. Joint Industrial Training & Visits
2. Combine Guest Lectures
3. Common Job-Placement activities for students
4. There is no financial commitment on the part of both the parties. Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

CLAUSE 3: VALIDITY

This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period, the Second Part.

CLAUSE 4: RELATIONSHIP BETWEEN THE PARTIES

It is expressly agreed that First Party and Second Party are acting under this MOU as independent entities, and the relationship established under this MOU shall not be construed as a partnership.

Facilitator: Dr. Rajesh Timane


17/03/2023

First Party: Dr. Bharati Khapekar



Second Party: Dr. Ajit Shringarpure



स्वाभिमान स्मृती प्रतिष्ठान तुमसर द्वारा संचालित
राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ नागपूर संलग्नित
कॉलेज कोड- ६१९

साई कला, वाणिज्य व विज्ञान महिला महाविद्यालय

पत्ता - मुंडीकोटा, तह.-तिरोडा, जि.- गोंदिया - ४४१९११ sitmr2008@gmail.com, Contact No. 9422129467

Reff. no. Sacsmm/10/2023

Date:- 02/21/2023
27/05/2023

To,
Principal
Late NPW Arts, Commerce and Science College,
Andhalgon

Subject :- Request of cluster of institution.

Sir,
I request you to help our college to from a cluster with your establish institutions. Since
are college as started new course of B.Sc. We do not have sufficient expiration in this field's,
we are looking forward to your college for the purpose of facility exchange . student exchange
programs and cluster for examination related work .

Thanking You.


Principal
Sal Arts, Commerce & Science College
Mundikota

Laxmi Shikshan Sanstha & Krida Mandal Kesalwada/wagh
**Late Nirdhanrao Patil Waghaye Arts, Commerce &
Science College Andhalgaon**

Ta: Mohadi Dist: Bhandara 441914

Rashtrasant Tukadoji Maharaj Nagpur University Nagpur Affiliated

Email Id :- latenpwcandhalgaon@gmail.com

College Code :- 524

Ref. No. :- NPWC/

Date :-

**MEMORANDUM OF UNDERSTANDING FOR ACADEMIC AND
RESEARCH COOPERATION**

Between

**Late N. P. W. Art, Commerce and Science College
Andhalgaon**

And

Late N.P.W. College Lakhani

Purpose:

The purpose of this Agreement is to promote cooperation in education and research in the College of Late N. P. W. Art, Commerce and Science College Andhalgaon And Late N.P.W. College Lakhani

Types of Cooperation:

Through this memorandum, both Parties affirm the value of international collaboration and agree to promote the following activities:

1. To run Research projects in fields of mutual interests;
2. To share the academic publications and reports;
3. Opportunities for faculty to avail laboratory and library facilities;
4. Invitation to faculties for guest lecturers;
5. Joint organization of National / International Academic activities.
6. Faculty & students exchange in various academic activities.

as mutually agreed

This Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each institution. Subsequent program agreements must be approved in writing by the authorized representatives of each institution. **Principal, Dr. A. A. Shrungarpure** will serve as the primary liaison between the two institutions to facilitate the development of future activities.

Terms:

This Agreement will become effective upon the date of signature by both the parties. It shall remain valid for a period of five (5) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties.

This Agreement may be terminated by either Party with advance written notice of at last thirty (30) days. Upon notice of termination both **Late N. P. W. Art, Commerce and Science College Andhalgaon And Late N.P.W. College Lakhani** agree to work in good faith to enable visiting scholars to complete their respective research programs unhindered by the termination. The agreement may be extended by mutual consent of the two parties after the five (5) period of years and it must renewed in writing.

This memorandum of understanding completed is hereby signed in two (2) Copies with One (1) copy remaining in the possession of each Institution. **Late N. P. W. Art, Commerce and Science College Andhalgaon And Late N.P.W. College Lakhani**

Principal (Signature)

Dr. A. A. Shrungarpure


Principal (Signature)
Off. Principal

Dr. Late N.P.W. College
Lakhani, Distt. Bhandara


Principal
Late N.P.W. College
Andhalgaon, Dist. Bhandara.

**Late Nirdhanrao Patil Waghaye Arts, Commerce
& Science College Andhalgaon**

Ta: Mohadi Dist: Bhandara 441914

(Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University Nagpur)

Email Id :- latenpwcandhalgaon@gmail.com

Website: www.npwcandhalgaon.org

Ref. No. :- NPWC/

Date :-

**MEMORANDUM OF UNDERSTANDING FOR ACADEMIC
AND RESEARCH COOPERATION**

Between

**Late N. P. W. Art, Commerce and Science
College Andhalgaon**

And

**Laxmibai Arts & Science College Mangli/Khapa
Ta. Tumsar Dist. Bhandara**

Purpose:

**The purpose of this Agreement is to promote
cooperation in education and research in the
College of Late N. P. W. Art, Commerce and
Science College Andhalgaon And Laxmibai Arts
& Science College Mangli/Khapa Ta. Tumsar
Dist. Bhandara**

Types of Cooperation:

Through this memorandum, both Parties affirm the value of international collaboration and agree to promote the following activities:

1. To run Research projects in fields of mutual interests;
2. To share the academic publications and reports;
3. Opportunities for faculty to avail laboratory and library facilities;
4. Invitation to faculties for guest lecturers;
5. Joint organization of National / International Academic activities.
6. Faculty & students exchange in various academic activities.

As mutually agreed, this Agreement places no financial obligations or supplementary funding commitments on either Party. These activities will be defined through separate program agreements that detail the commitment of resources (financial or otherwise) required by each institution. Subsequent program agreements must be approved in writing by the authorized representatives of each institution. Principal, Dr. A. A. Shrungarpure will serve as the primary liaison between the two institutions to facilitate the development of future activities.

Terms:

This Agreement will become effective upon the date of signature by both the parties. It shall remain valid for a period of five (5) years from the date of the last signature, with the understanding that it may be modified by written mutual consent of both parties.

This Agreement may be terminated by either Party with advance written notice of at last thirty (30) days. Upon notice of termination both **Late N. P. W. Art, Commerce and Science College Andhalgaon And Laxmibai Arts & Science College Mangli/Khapa Ta. Tumsar Dist. Bhandara** agree to work in good faith to enable visiting scholars to complete their respective research programs unhindered by the termination. The agreement may be extended by mutual consent of the two parties after the five (5) period of years and it must renewed in writing.

This memorandum of understanding completed is hereby signed in two (2) Copies with One (1) copy remaining in the possession of each Institution. **Late N. P. W. Art, Commerce and Science College Andhalgaon And Late N. P. W. Art, Commerce and Science College Andhalgaon And Laxmibai Arts & Science College Mangli/Khapa Ta. Tumsar Dist. Bhandara**


Principal (Signature)
Laxmibai Arts & Science
College Mangli/Khapa
Ta. Tumsar, Dist. Bhandara


Principal (Signature)
Dr. A. **PRINCIPAL**pure
Late N.P.W. College
Andhalgaon Dist. Bhandara

ENERGY AUDIT REPORT

Of

Laxmi Education Society's

Late N.P.W. Arts, Commerce & Science College Andhalgaon.

Green Audit Committee

Year: 2022-23



Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

ENERGY AUDIT CERTIFICATE_:

Certificate No:

Date: 20/05/2023

This is to certify that we have conducted an Energy Audit at Late N.P.W. Arts, Commerce & Science College Andhalgaon , in the Year 2021-22.

The College has adopted following Energy Efficient practices:

1. Usage of Energy Efficient LED Fittings
2. Maximum usage of Day Lighting

We appreciate the support of Management, involvement of faculty members and students in the process of making the Campus Energy Efficient.

Observations Noted :

1. College is not using Energy Consuming devices like A.C., Coolers etc
2. Optimum Utilization of energy.



Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

Index

Sr. No	Particulars	Page No
I	Acknowledgement	
II	Executive Summary	
1	Introduction	
2	Study of Connected Load	
3	Study of Present Energy Consumption	
4	Study of Energy Performance Index	
5	Study of Lighting	
6	Study of Renewable Energy & Energy Efficiency	

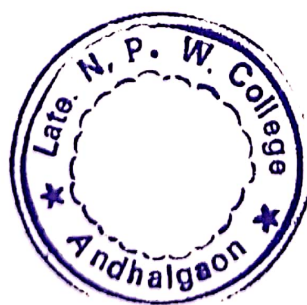


Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

ACKNOWLEDGEMENT

Green Audit Committee expresses our sincere gratitude to the management of Late N.P.W. Arts Commerce & Science College Andhalgaon for awarding us the assignment of Energy Audit of their Campus for the Year: 2022-23.

We are thankful to all the staff members for their support to us during the Audit.



Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

EXECUTIVE SUMMARY

The energy audit at Late N.P.W. Arts, Commerce & Science College Andhalgaon was conducted thoroughly, during which we analyzed various aspects of the college's energy consumption. The audit aimed to assess energy efficiency, identify areas with the greatest energy-saving potential, and make recommendations for improvements.

Present Connected Load & Annual Energy Consumption:

No	Particulars	Value	Unit
1	Total Connected Load	0.50	Kw
2	Annual Energy Consumption	602	Kwh
3	Annual CO ₂ Emissions	511.7	MT

Energy Performance Index:

No	Particulars	Value	Unit
1	Total Annual Energy Consumed	602	Kwh
2	Total Built up area of college	372	m ²
3	Energy Performance Index = (1) / (2)	1.6	Kwh/ m ²

Study of Lighting Power Density & % of LED Lighting

No	Particulars	Value	Unit
1	Lighting Power density		
2	% of Usage of LED Lighting to Total Lighting Load		

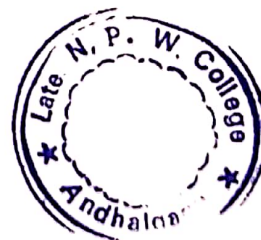
Renewable Energy & Energy Efficiency Projects:

Usage of Energy Efficient LED Fittings

Maximum usage of Day Lighting

Assumption:

1 kWh of Electrical Energy releases 0.85 Kg of CO₂ into atmosphere



Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

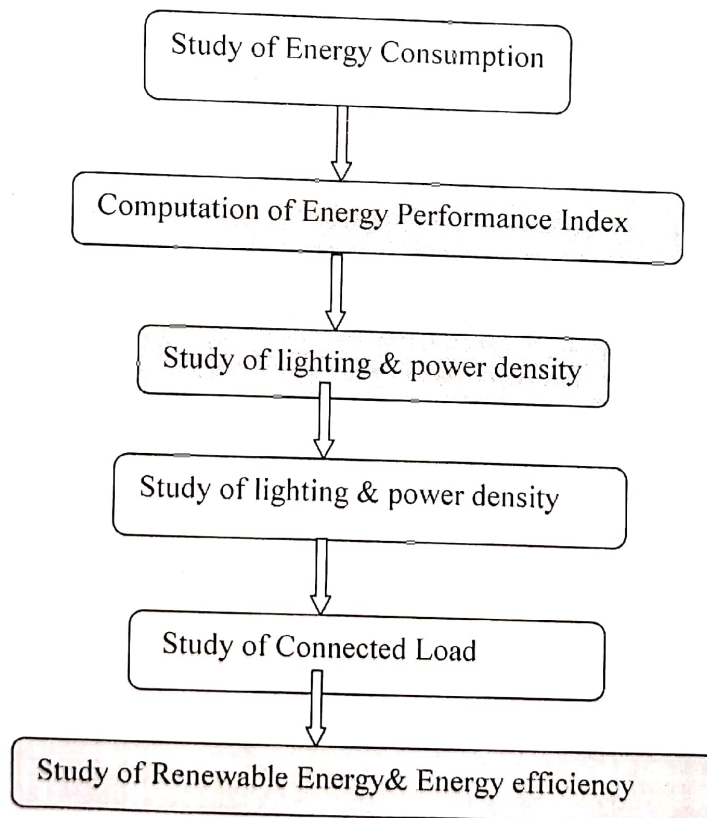
INTRODUCTION

Introduction: An Energy Audit is conducted at Late N.P.W. Arts, Commerce & Science College Andhalgaon. The guidelines followed for conducting the Energy Audit are:

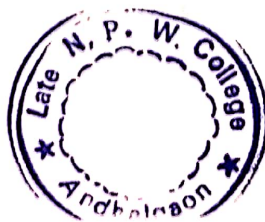
BEE India's Energy Conservation Building Code: ECBC-2017

Maharashtra State Electricity Distribution Co. Ltd

Audit Procedural Steps:



Institute Location Image:

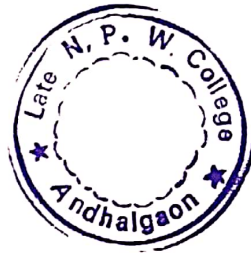


Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

STUDY OF CONNECTED LOAD

The major contributors to the connected load of the Institute include:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	20 W LED Tube Fitting	15		
2	66 W Ceiling Fan Fitting	15		
3	Computers	10		
4	Printer & Scanner	3		
5	Other Equipment			



STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of Electrical Energy Consumption. Table: Electrical Bill Analysis-2021-22:

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1.	Mar-23	0.35	
2.	Feb-23	0.18	
3.	Jan-23	0.34	
4.	Dec-22	0.24	
5.	Nov-22	0.40	
6.	Oct - 22	0.61	
7.	Sep-22	0.66	
8.	Aug-22	0.75	
9.	July-22	1.07	
10.	Jun-22	0.59	
11.	May-22	0.78	
12.	Apr-22	0.54	
	Total yearly consumption	6.51	
	Maximum	1.07 July	
	Minimum	0.18 Feb	
	Average consumption	0.54	

STUDY OF ENERGY PERFORMANCE INDEX

Energy Performance Index: Energy Performance Index of a Building is its Annual Energy Consumption in Kilo Watt Hours per square meter of the Building It is determined by:

$$EPI = (\text{Annual Energy Consumption in kWh}) / (\text{Total Built-up area in m}^2)$$

Now we compute the EPI for the Institute as under

Table: Computation of Energy Performance Index:

Sr	Particulars	Value	Unit
1	Total Annual Energy Consumed		
2	Total Built up area of Institute		
3	Energy Performance Index = (1) / (2)		

Summary:

The energy audit at Late N.P.W. Arts, Commerce & Science College Andhalgaon was conducted over a period of last five years, during which we analyzed various aspects of the college's energy consumption, including lighting, insulation, and appliances. The audit aimed to assess energy efficiency, identify areas with the greatest energy-saving potential, and make recommendations for improvements.



Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

Audit Findings:

Lighting:

70 % of lighting fixtures are using outdated incandescent or fluorescent bulbs, which consume more energy than modern LED lights.

Suggested action: Replace outdated lighting fixtures with energy-efficient LED bulbs and install occupancy sensors to ensure lights are only on when needed.

Insulation: Insulation in some buildings is insufficient, leading to heat loss in the winter and increased cooling demands in the summer.

Suggested action: Improve insulation in buildings, particularly in areas with noticeable energy leakage.

Suggested action:

Replace outdated appliances with Energy Star-rated models and encourage energy-conscious behavior among staff and students.

Energy Efficiency Recommendations:

Based on our findings, we recommend the following energy-saving measures:

Lighting:

1. Retrofit outdated lighting fixtures with LED bulbs.
2. Install occupancy sensors and timers to control lighting.
3. Implement a policy to turn off lights when not in use.

Insulation:

1. Conduct a thorough assessment of insulation in all buildings.
2. Address insulation gaps and improve energy efficiency.

Appliances:

Encourage energy-efficient behavior among staff and students.

Cost-Benefit Analysis:

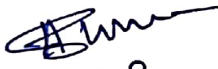
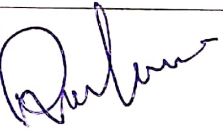
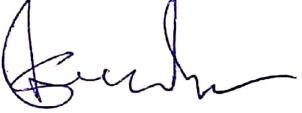
An investment in energy-efficient upgrades and practices is projected to yield substantial cost savings over time. A detailed cost-benefit analysis is included in the appendix.

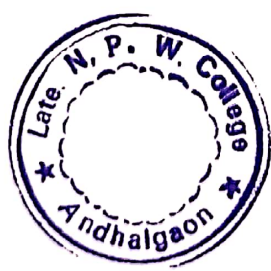


Energy Audit Report: Late N.P.W. Arts, Commerce & Science College Andhalgaon

Conclusion:

By implementing the recommendations outlined in this energy audit report, Late N.P.W. Arts, Commerce & Science College Andhalgaon can significantly reduce its energy consumption, lower utility costs, and contribute to a more sustainable and environmentally friendly campus. We are committed to assisting you in the implementation of these measures and can provide further guidance and support as needed.

 20.5.23	 2015		
Dr. Ajit A. Shringarpure	Harshit S. Dalvi	Rajesh Timane	Dr. Sudhirkumar Munishwar
B.E. (Electrn)	BEE (ELECTRICAL)	B.E.	M.Sc. Physics
Internal Auditor	External Auditor	External Auditor	Internal Auditor
Green Audit Committee			



GREEN AUDIT REPORT

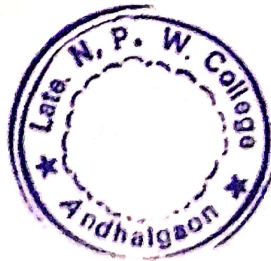
Of

Laxmi Education Society's

Late N.P.W. Arts, Commerce & Science College Andhalgaon.

Green Audit Committee

Year: 2022-23



Introduction:

Date 20/06/2023

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of College. Its goal is to examine environmental practices both inside and outside the college that may have an effect on the environment. A green audit is an effective way for a college to identify the areas and processes where the most energy, water, or other resources are being used. The college can then think about how to implement changes and save money. However, environmental sustainability is becoming an increasingly important issue for the nation; the role of higher educational institutions in relation to environmental sustainability is more prevalent

Green Audit Assessment Team

The team of green audit committee works under the guidance of Dr. A. A. Shringarpure, Principal N.P.W. Arts Commerce and Science College Andhalgaon and environmental awareness committee. The Green Audit Committee is given as below:

(Internal Auditor)

Dr. A.A. Shringarpure Member

Dr. S.R. Rahangdale Member

(External Auditor)

Scope of the Audit :

The Green Audit of an institution is now of utmost importance for the institution's self-evaluation, as it represents the institution's contribution in reducing the current environmental issues. Since its foundation, the college has made attempts to maintain a clean atmosphere. As a result, the current green audit's goal is to identify, quantify, explain, and prioritize the environmental sustainability framework in accordance with the relevant laws, policies, and standards. The main objectives of carrying out Green Audit are:

- a) To identify the Geographical Location of the college
- b) To document the ambient environmental condition of weather, air, water and noise of the college
- c) To document the waste disposals system
- d) To estimate the Energy requirements of the college
- e) To report the expenditure on green initiatives during the last five years
- f) To make energy saving management
- g) To make E-waste and solid waste management.

Green audit report:

The core objective of the Green Audit committee is to develop and conserve green initiative in College Campus. Green audit create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self-



enquiry is a natural and necessary outgrowth of a quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

Observations Noted : Some programs implemented by college towards green initiatives include;

Plastic free campus: The utilization Plastic bags are strictly avoided in the campus and campus is “no plastic zone”. College motivates staff as well as students to utilize cotton or jute bags.

Paperless office: The office of our college is partially paperless. The different types of office information are delivered using email and SMS. College has created class wise whatsapp groups to deliver important instantly

Tree Plantation: The College has a system for green auditing of its facilities which is carried out by NSS. The college Student and staff have planted several tree samplings during various plantation programs organized by the college through NSS and all the trees are taken care of and maintained. NSS students from our College conducts tree plantation and public awareness program every year

Carbon free campus: The care of the campus surrounding is taken so that environment has maintained at low level of carbon emission and pollution. College avoids burning of waste materials which is collected from campus surrounding. The degradable and non degradable bio waste has been segregated and separated to recycle further.

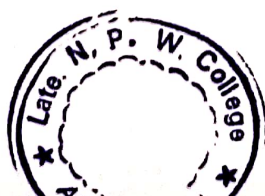
Bio-degradable Waste: The shortlisted bio degradable waste which is collected from campus is decomposed to form compost which is further used in gardens as excellent manure.

Non degradable waste: The collected waste which is not degradable like unused plastic, glass bottles, electronic waste etc. is sent for recycling by selling it to scrapper. Students are motivated to design different objects like bags, foot wipes, show pieces etc. Students also motivated to donate unused but wearable cloths to poor peoples. The recycling of this non biodegradable waste is also helpful in soil quality conservation.

Electricity saving: Some older appliances and equipment, such as refrigerators and computers which are energy inefficient and producing more carbon to generate heat. These old instruments are replaced with Energy Star-rated models and encourage energy-conscious behavior among staff and students which are more energy efficient and power saving.

An investment in energy-efficient upgrades and practices is projected to yield substantial cost savings over time. A detailed cost-benefit analysis is included in the table

Appliance	Move	Monthly Saving (Rs)	Yearly Saving (Rs)
Bulb	from Incandescent to CFL	156	1,877
Tubelight	from Regular to T5	52	626
Computers	from Desktop to Laptop	313	3,754
Cooler	From old to new	472	2,361
Refrigerator (200 Lts)	from 1 Star to 5 Star	261	3,128
Fan	Old to New	122	1,460



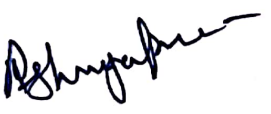
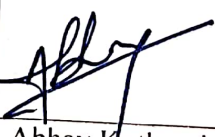
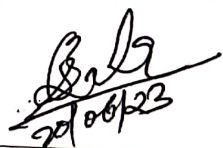
Saving Water in Campus: The College consumes a substantial amount of water for various purposes, including irrigation, sanitation, and cooling systems. Significant water leakage was detected in laboratory as well as toilet taps, leading to water wastage. The waste water and rain water has been recycled by rainwater harvesting which promotes both energy as well as water conservation. Rainwater harvesting improves quality and quantity of ground water.

A water audit is an on-site survey and assessment of water-using hardware, fixtures, equipment, landscaping, and management practices to determine the efficiency of water use and to develop recommendations for improving water-use efficiency. In simple words, a water audit is a systematic review of a site that identifies the quantities and characteristics of all the water uses. The quantity of water required in Late N.P.W. Arts, Commerce & Science College Andhalgaon is mentioned in the table given below

Sr. No.	Water Consumption area	Average Water Consumed (liters/day)
1	Laboratories	15
2	Toilets	50
3	Garden	50
4	Drinking water	70
Total Average Usage		185

Waste Material Collection :

Sr. No.	Type of Waste Material	Quantity in a year
1	Biodegradable Waste	70 kg
2	Non degradable Waste	2.5 kg
3	Hazardous Waste	Nil

			
Prof. Harsha M. Thakare	Dr R.A. Shringarpure	Abhay Kotkondawar	Dr. Sachin R. Rahangadale
M.Sc. Botany	M.Sc. Chemistry	Research Fellow NEERI	M.Sc. Physics
Internal Auditor	External Auditor	External Auditor	Research Fellow NEERI
Green Audit Committee			
			Internal Auditor

