



Office of the Principal, Government College Bichhua Chhindwara (M.P.) 480111



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CRITERION -III

Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and Non-Governmental Agencies for Research Projects/Endowments in the Institution

Research Project

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YEAR 2022-23



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Project Proposal

on

“महाविद्यालयीन जनजाति छात्राओं में शिक्षा एवं कानून
की जागरूकता का एक समाजशास्त्रीय अध्ययन”
(छिंदवाड़ा शहर के विशेष सन्दर्भ में)

Project Period

Financial Year - 2022-23

Submitted to

Principal

(Dr. R.P. Yadav)

Government College Bichhua,
Chhindwara (M.P.) 480001

Submitted BY

Dr. Farhat Mansoori

Project Investigator

A.Professor Department Of Sociology
Government College Bichhua, Chhindwara M.P.
Email: farhat.man87@gmail.com



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Proposal of the Research Minor Project

ON
 “महाविद्यालयीन जनजाति छात्राओं में शिक्षा एवं कानून की जागरूकता का एक
 समाजशास्त्रीय अध्ययन”
 (छिंदवाड़ा शहर के विशेष सन्दर्भ में)

1.General Information

Title of the Project (Project Name)	“महाविद्यालयीन जनजाति छात्राओं में शिक्षा एवं कानून की जागरूकता का एक समाजशास्त्रीय अध्ययन”(छिंदवाड़ा शहर के विशेष सन्दर्भ में)
Project Duration	1st January 2022 to 31st December 2022
Project Cost (Rs.)	25 (Annexure-3- Details of expenditure)
Executing Agency	Government College Bichhua, Chhindwara (M.P.) 480111 Telephone: 07162-259715 Fax: 07162-259715 e-Mail: hegcbicchh@mp.gov.in
Name of Institute (School / College)	Government College Bichhua
Address of Institute	Government College Bichhua, Distt. - Chhindwara (M.P.) PIN 480111
Landline No (O)	+91-07162-259715
E-mail	hegcbicchh@mp.gov.in
Name of Project Investigator (PI)	Dr. Farhat Mansoori
Designation	Assistant Professor
Sex	Female
Qualification	M.A (Sociology) Ph.D. NET (Sociology)
Teaching Experience	15 Years
Research	Research Experience 10 Years
Title of the Study	“स्नातक एवं स्नातकोत्तर छात्राओं के बीच शिक्षा एवं कानूनी जागरूकता का एक समाजशास्त्रीय अध्ययन”(छिंदवाड़ा जिले के विशेष सन्दर्भ में)
Duration	2014 to 2019
Institute	Department of (Sociology), Barkatullah Vishwavidyalaya, Bhopal (M.P)
Address of PI	Government College Bichhua, Chhindwara, (M.P.) 480111
Landline no (R)	7000463635
Mobile No.	7000463635
E-mail	farhat.man87@gmail.com



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1. Background of Project

छिंदवाड़ा सतपुड़ा रेंज के दक्षिण पश्चिम क्षेत्र पर स्थित है। छिंदवाड़ा जिले में अधिकांश जनजातीय आबादी है। आदिवासी समुदायों में गोंड, प्रधान, भारीया, कोरकू शामिल हैं। जिले में हिंदी, मराठी, गोंडी, उर्दू, कोरकू, मुसार्ह, पारवारी आदि भाषाओं / बोलियों का इस्तेमाल होता है। अधिकांश आदिवासी गाँधी और हिंदी में मराठी के साथ मिलते हैं। छिंदवाड़ा शहर पोला, भुजलिया, मेघनाथ, अखाडी, हरज्योति सांस्कृतिक कार्यों / त्योहारों के लिए प्रसिद्ध हैं। छिंदवाड़ा जिला 1 नवंबर, 1956 को बनाया गया था। यह 'पहाड़ों की सतपुरड़ा रेंज' के दक्षिण-पश्चिमी क्षेत्र में स्थित है। यह 21.28 से 22.4 9 डिग्री तक फैला हुआ है। उत्तर (रेखांश) और 78.40 से 79.24 डिग्री पूर्व (अक्षांश) और 11,815 वर्ग किलोमीटर क्षेत्र में फैला हुआ है। यह जिला दक्षिण में नागपुर जिले (महाराष्ट्र राज्य में) के मैदानों, उत्तर पर होशंगाबाद और नरसिंहपुर जिले, पश्चिम में बेतुल जिला और पूर्व में सिवनी जिले की सीमाओं से लगा हुआ है। उपरोक्त अध्ययन में "महाविद्यालयीन जनजाति छात्राओं में शिक्षा एवं कानून की जागरूकता का एक समाजशास्त्रीय अध्ययन" (छिंदवाड़ा शहर के विशेष सन्दर्भ में) किया गया। छिंदवाड़ा शहर में 4 महाविद्यालय हैं, जिनमें 3 शासकीय एवं एक अर्द्धशासकीय महाविद्यालय हैं। उक्त अध्ययन में छिंदवाड़ा शहर के 4 महाविद्यालयों में से एक शासकीय (राजमाता सिंधिया शासकीय कन्या स्नातकोत्तर महाविद्यालय छिंदवाड़ा) एवं एक अर्द्धशासकीय महाविद्यालय (डेनियलसन डिग्री महाविद्यालय छिंदवाड़ा) का चयन सुविधाजनक देव निदर्शन पद्धति के माध्यम से किया गया है। उपरोक्त दोनों महाविद्यालयों में से 300 जनजाति छात्राओं का चयन स्तरीकृत देव निदर्शन (उद्देशपूर्ण देव निदर्शन पद्धति) के माध्यम से किया गया है। उपरोक्त अध्ययन में जनजाति छात्राओं में शिक्षा एवं कानून की जागरूकता का अध्ययन किया गया है। जनजाति छात्राएं शिक्षा एवं कानून के प्रति जागरूक हैं।

2. Objectives

वर्तमान अध्ययन निम्नलिखित उद्देश्यों के साथ प्रस्तावित किया जा रहा है -

1. डेटा सैंपलिंग के लिए महाविद्यालय का दौरा करना।
2. साक्षात्कार की सहायता से डेटा एकत्र करना।
3. महाविद्यालयीन जनजाति छात्राओं से महिला अधिकार के प्रति जागरूकता की जानकारी एकत्र करना।
4. महाविद्यालयीन जनजाति छात्राओं से शिक्षा के प्रति जागरूकता की जानकारी एकत्र करना।
5. महाविद्यालयीन जनजाति छात्राओं से कानून के प्रति जा
6. गरूकता की जानकारी एकत्र करना।

4. Methodology and Timeline

- A. छिंदवाड़ा के विभिन्न महाविद्यालयों में से जनजाति छात्राओं का स्तरीकृत देव निदर्शन (सुविधाजनक) प माध्यम से चयन करके शिक्षा एवं कानून की जागरूकता की जानकारी प्राप्त की जायेगी।



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- B. वर्ष 2022-23 में नियमित अंतराल पर महाविद्यालयों का दौरा किया जाएगा।
- C. साक्षात्कार अनुसूची, समूह चर्चा एवं अवलोकन के माध्यम से डेटा एकत्र किया जाएगा।
- D. फोटोग्राफ और सभी प्रासंगिक जानकारी मौके पर ही एकत्र की जाएगी।
- E. एकत्रित डेटा को वर्गीकरण, सारणीकरण और विश्लेषण के माध्यम से पूर्ण व्याख्या और सार्थक निष्कर्ष निकाला जाएगा एवं सुझाव दिए जायेंगे।

Expected expenditures

क्र.	मद	राशि	रिमार्क
1.	डेटा कलेक्शन एवं फिल्ड वर्क	1000/-	
2.	कम्पाईलेशन ऑफ डेटा एवं टाईपिंग चार्ज	5000/-	
3.	यात्रा व्यय	5000/-	
4.	विविध व्यय	5000/-	
5.	कुल राशि	5000/-	

Declaration

1. We shall be responsible for obtaining and compliance of all legal permissions required under any other law applicable in relation to execution of the project.
2. We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
3. The above project is not funded by any other agency and funding support on the same will not be sought from any other agency. Full audited Utilization Certificate will be submitted at the end.



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Project Proposal

on

**“A Geographical Analysis of Organic Fertilizer
Application in Bichhua block of Chhindwara District”**

-Project Cost-

Rs. 20,000.00

-Project period-

Year: 2022-23

-Submitted to-

Principal

Govt. College of Bichhua, Chhindwara M.P.

(Development Grant)

-Submitted by-

Department of Geography

Govt. College of Bichhua, Chhindwara M.P.



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Project Proposal on

**“A Geographical Analysis of Organic Fertilizer Application
in Bichhua block of Chhindwara District”**

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Project Proposal

परियोजना प्रस्ताव

On

महिला सशक्तिकरण पर उद्यमिता का प्रभाव

(बिछुआ प्रखंड जिला छिंदवाड़ा के विशेष संदर्भ में)

Impact of Entrepreneurship on Women Empowerment

(With Special Reference to Bichhua Block District Chhindwara)



Submitted To

Government College Bichhua, Chhindwara (M.P)

Submitted By

Dr. Manita Kaur Virdi

Political Science Department

Government College Bichhua, Chhindwara (M.P)

Session— 2022-23



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प्रस्तावना : (Introduction)

पंचायती राज में महिला सशक्तिकरण की मात्रा क्षेत्र एवं परिस्थिति के अनुसार भिन्न रही है। जिन पंचायतीराज संस्थाओं में महिला प्रतिनिधि स्वयं मामलों के देखकर निर्णय प्रक्रिया पूरी सक्रियता से संपन्न करवाती है तो माना जा सकता है कि उन महिलाओं का पूर्ण सशक्तिकरण हुआ है। इसके विपरीत अगर महिला प्रतिनिधि अपने घर से स्वतंत्र रूप से बाहर नहीं आती घूँघट नहीं हटा पाती और अपने पति या संबंधी के कहने पर ही दस्तावेजों पर हस्ताक्षर करती है। तो कहा जा सकता है कि उन महिला प्रतिनिधियों का सशक्तिकरण नहीं हुआ है। पंचायतीराज ने ग्रामीण क्षेत्र एवं वंचित (दलित) वर्ग की महिलाओं को परिवार, जाति एवं समाज में उच्च स्थिति प्रदान करने में महत्वपूर्ण भूमिका अदा की है क्योंकि इनमें बी.पी.एल. एवं कमजोर तबके की महिलाएँ भी निर्वाचित हो रही हैं इसलिए उनका सामाजिक, आर्थिक, सांस्कृतिक एवं राजनीतिक सशक्तिकरण हो रहा है।

भारत जैसे देश की अधिकांश जनता अभी भी ग्रामों में निवास करती है। गांवों में कृषि ही अभी तक आजीविका का मुख्य साधन रहा है। अगर इन क्षेत्रों की महिलाओं को स्व-उद्यमी बनाकर खड़ा किया जा सके, तो उनके सशक्तिकरण के साथ-साथ कृषि संकट से भी कुछ राहत मिल सकेगी। आय के एक से अधिक स्रोत होने से ग्रामीण जीवन सुगम हो सकेगा और उसका विकास भी अवश्य हो सकेगा। एक उद्यमी समाज के विकास में महत्वपूर्ण भूमिका निभाता है। आर्थिक विकास के लिए उद्यमशीलता और सतत् व्यापार में वृद्धि आवश्यक है। व्यापारिक और औद्योगिक क्षेत्र में तीव्रगति से परिवर्तन होने लगा है जिसके कारण उद्यमिता का महत्व भी बढ़ता जा रहा है और सरकार उद्यमिता को प्रोत्साहित कर रही है, जिससे अच्छी आर्थिक स्थिति प्राप्त करने के लिए रोजगार उपलब्ध कराकर गरीबी उन्मूलन किया जा सके। किसी भी देश के मानव संसाधन के विकास हेतु महिलाओं व पुरुषों की समान भागीदारी आवश्यक है। महिलाओं का जीवन सुरक्षित और भविष्य उज्ज्वल हो, उन्हें बराबरी का दर्जा और सम्मान मिले समाज और परिवार उनका आदर करें। वर्तमान समय में भारत में आर्थिक व सामाजिक क्षेत्र में हो रहे परिवर्तनों से आर्थिक विकास का क्षेत्र बढ़ता जा रहा है। उद्यमियों का उदय, समाज में व्याप्त आर्थिक, सामाजिक, धार्मिक, सांस्कृतिक और मनोवैज्ञानिक कारकों पर निर्भर करता है।

उद्देश्य: (Objective)

1. भारत में महिला उद्यमियों की स्थिति का विश्लेषण करना।
2. उद्यमी महिलाओं को व्यवसाय संचालन में आने वाली समस्याओं परीक्षण करना।
3. महिला सशक्तिकरण हेतु सरकारी योजनाओं का विश्लेषण करना।



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4. उन माध्यमों का पता लगाना जिससे समाज की सम्पूर्ण महिलाओं को सशक्त बनाया जा सके।
5. ग्रामिण महिला उद्यमियों की समक्ष चुनौतियों का पता लगाना।
6. महिला उद्यमियों को सशक्त बनाने की योजनाओं के बारे में जागरूक करना।

शोध कार्य की अवधि में प्रयुक्त की जाने वाली प्रस्तावित शोध प्रविधि:

प्रस्तुत शोध अध्ययन की प्रस्तावित शोध प्रविधि विश्लेषणात्मक, द्वंद्वतात्मक एवं निम्न आधारों पर आधारित होगी—

प्राथमिक आंकड़े (Primary Data):

प्राथमिक समकों को सर्वेक्षण, प्रश्नावली अनुसूची के माध्यम से प्राप्त किया जायेगा। साक्षात्कार, के माध्यम से गहन दृष्टि डाली जायेगी।

द्वितीयक आंकड़े (Secondary data) :

द्वितीयक समकों को प्राप्त करने के लिए ग्रंथालय अध्ययन पद्धति विभिन्न पत्र-पत्रिकाओं, समाचार पत्र, संबंधित सरकारी रिपोर्ट, शोध पत्रिकाएं एवं इंटरनेट का सहारा लिया जायेगा।

साक्षात्कार (Interview):

विस्तृत जानकारी एकत्र करने के लिए साक्षात्कार तकनीक का उपयोग किया जायेगा। इस तकनीक के माध्यम से जो जानकारी प्राप्त होगी वह बेहतर उद्देश्य के रूप में काम करेगी।

संदर्भ (Reference):

- चट्टोपाध्याय, अरुंधती, भारत में महिला सशक्तिकरण, नीति मार्ग (पाक्षिक), भोपाल,
- मिश्र, डॉ.इंदिरा गरीब महिलाएं उधार एवं रोजगार, किताबघर प्रकाशन, नई दिल्ली 2006
- सारस्वत, स्वप्निल, महिला विकास एक परिदृश्य, नमन प्रकाशन नई दिल्ली,
- स्वामी, भगवती, किशोर सविता— महिला सशक्तिकरण, क्यों और कैसे 'आर बी एस ए पब्लिशर्स, जयपुर (राजस्थान) 2008,
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- योजना — मासिक — सूचना और प्रसारण मंत्रालय, भारत सरकार, नई दिल्ली
- महिलाओं के लिए भारत सरकार की कल्याणकारी योजनाएँ—सूचना एवं प्रसारण मंत्रालय, भारत सरकार, नई दिल्ली



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- विकास, डॉ. शिव कुमार— भारतीय ग्रामीण महिलाएं और ग्रामीण विकास— कुरुक्षेत्र (मासिक) —ग्रामीण विकास मंत्रालय, कृषि भवन, नई दिल्ली, अगस्त 1999.
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- स्व सहायता समूह (गठन प्रक्रिया एवं मार्गदर्शन), उद्यमिता विकास केन्द्र मध्य प्रदेश भोपाल
- अरोड़ा, एन.के. —ग्रामीण विकास की समस्याएँ, कुरुक्षेत्र (मासिक), प्रकाशन विभाग, नई दिल्ली,
- श्रीवास्तव, डॉ. नरेन्द्र —भारत में एकीकृत ग्रामीण विकास कार्यक्रम — क्रियान्वयन एवं उपलब्धियाँ, नार्दन बुक सेन्टर, नई दिल्ली
- झुनझुनवाला, भरत— भारतीय अर्थव्यवस्था : समीक्षात्मक अध्ययन, राजपाल एण्ड सन्स — दिल्ली,
- खाखा, डॉ. श्रीमती तरसिला—ग्रामीण विकास, सिंघई पब्लिशर्स एण्ड डिस्ट्रीब्यूटर्स, रायपुर
- पंत, डॉ. डी.सी.—भारत में ग्रामीण विकास, कालेज बुक डिपो, जयपुर

Website:

- <https://hindivivek.org>
- <https://afeias.com>
- <https://www.youthkiawaaz.com>
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- WWW.indiacelebrating.com
- <https://freesamadhan.in>
- <https://designsvalley.com>



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बजट अनुमान

स.क	विशेष व्यय	कुल व्यय
01	डाटा संकलन एवं निर्धारित कम्प्युटर प्रारूप	2000
02	टाइपिंग व प्रिंटिंग का काम	3000
03	अन्य व्यय प्रिंटिंग/बाइंडिंग/फोटो/यात्रा आदि	5000
04	कुल	10,000

डॉ. मनीता कौर विरदी
सहायक प्राध्यापक एवं विभागाध्यक्ष
(राजनीति विज्ञान विभाग)
शासकीय महाविद्यालय बिछुआ
जिला छिंदवाड़ा (म.प्र.)



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Project Proposal on

कृषि नवाचार एवं कृषि विकास
(बिछुआ तहसील छिन्दवाड़ा जिलेके सन्दर्भ में)

Project Cost -

Rs 40,000

Project Period-
(1 Year)

2022-2023

Submitted to

**Government College Bichhua,
District Chhindwara (M.P.)**

Submitted by

**Dr. Shahida Begam Mansuri
Assistant Professor,
Dept. of Geography
Government College Bichhua,
District Chhindwara (M.P.)**



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Project Proposal on

कृषि नवाचार एवं कृषि विकास (बिछुआ तहसील छिन्दवाड़ा जिले
के सन्दर्भमें)

S.No.	Subject	Page No.
1	General Information – Annexure - I	3-4
2	Detailed Proposal – Annexure - II	5
3	Detailed expenditure – Annexure - III	6
4	Declaration – Annexure - IV	7



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Annexure - I

A. General Information

S.No.	Particular	Details
1	Title of the Project (Project Name)	कृषि नवाचार एवं कृषि विकास (बिछुआ तहसील छिन्दवाड़ा जिलेकी के सन्दर्भमें)
2	Project Duration	1 Year
3	Project Cost (Rs.)	40,000
4	Executing Agency (Name of the Institute with full address, telephone, e-mail ID)	Government College Bichhua, District Chhindwara
4.1	Name of Institute	Government College Bichhua, District Chhindwara
4.2	Address of Institute	Bichhua
4.3	Landline No (O)	
4.4	E-mail	
5	Head of Institute (Details of Principal)	
5.1	Name of Principal	Dr. R.P. Yadava
5.2	Sex	Male
5.3	Qualification	Ph.D.
5.4	Experience	30 years
5.5	Address of Principal	Government College Bichhua
5.6	Landline No (R)	
5.7	Mobile No.	9425425968
6.	Name of Project Investigator (PI) (Teacher/Professor): (with address for correspondence including landline, mobile)	



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	no. and e-mail address)	
6.1	Name of Project Investigator	Dr. Shahida Begam Mansuri
6.2	Designation	Assistant Professor
6.4	Sex	Female
6.5	Qualification	Ph.D.
6.6	Experience	
6.7	Landline no (R)	
6.8	Mobile No.	
6.9	Email	
7.	Details of Project area- Janpad Panchayat (with address for Correspondence including landline, mobile no. and e-mail address)	Bichhua Tehsil
	Name of Janpad Panchayat and district	Bichhua, Chhindwara
	Mobile No.	
	Email	
8.	Bank Details for disbursement of funds	
	Name of Bank	SBI
	Account Holder's Name	Shahida Begam Mansuri
	Account Number	39034361120
	Address of Bank	Bichhua
	IFSC CODE	SBIN0005924



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Annexure- II

B. Detailed Proposal

	Particular	Details
1.	Objective	<p>प्रस्तुत शोध परियोजना के अंतर्गत निम्नलिखित उद्देश्यों को सम्मिलित किया गया है—</p> <ol style="list-style-type: none"> 1. बछुआ तहसील के भौगोलिक पर्यावरण का अध्ययन करना। 2. अध्ययन क्षेत्र के कृषि विकास की व्याख्या करना। 3. कृषि में उपयुक्त परंपरागत साधनों को ज्ञात करना। 4. कृषि में तकनीकी परिवर्तनों का अध्ययन करना। 5. कृषकों के उत्थान हेतु चलाई जा रही योजनाओं को ज्ञात करना तथा कृषकों को मिल रहे लाभ का अध्ययन करना।
2.	Project Area	Bichhua Tehsil
3.	Name of District	Chhindwara
4.	Methodology and Timeline	
	Financial assistance (amount in Rs)	40,000



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Annexure- III

C. Detailed expenditure-

S.No	Particular	Expenditure in (Rs.)
1.	Collection of Secondary Data (Review of literature/Documents)	10000
2.	Printing/Photocopy/Typing work/Binding/internet/pendrive	10000
3.	other work (Travel and communication)	7000
4.	Collection of Primary Data	7000
5.	Other miscellaneous expenditure	6000
	GRAND TOTAL	40,000

Minor Research Project : Dr. Shahida Begam Mansoori



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MADHYA PRADESH COUNCIL OF SCIENCE & TECHNOLOGY



RESEARCH PROPOSAL

ON

Study of dissolved heavy metals in drinking water and their effects on public health with reference to Chhindwara district.

Dr. Gautam Patil

Asst. Professor & Head

Dept. of Chemistry.

Govt. College Bichhua, Chhindwara (MP)

Mob: 9329762703

Email: gautamchem23@gmail.com



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CONTENT

- x 1. Introduction
- x 2. Literature review
- x 3. Statement of Research Project
- x 4. Hypothesis
- x 5. Objective of Project
- x 6. Research Methodology
- x 7. Division of Project
- x 8. Requirement of Project (Staff/Personal/Finance)
- x 9. Duration
- x 10. National/International implications of the project
- x 11. Figure/Table/Picture
- x 12. Declaration



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Abstract / Summary of Research Proposal

We know that, Water is the basic need of life. In short "healthy water gives the healthy life". In human life, the dispute related to drinking water pollution is increasing day by day. In human life, the dispute related to drinking water pollution is increasing every day.

Generally, humans are more likely to be exposed to dissolved heavy metals through water consumption and thus bioaccumulation of toxic metals takes place in the human body. This causes serious human health hazards and may induce cancer and other risks. Drinking water polluted by the different domestic and industrial waste.



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In this Research Proposal we will determine the contamination of drinking water with dissolved heavy metals. Heavy metals are a metallic element that has a relatively high density, specific gravity, or atomic weight and has toxic effects. In the present project will be analysis of various heavy metal (Cr, Fe, Cu, Zn, As, Hg, Se, Cd, Pb and Ni) concentrations in 10 drinking water samples were collecting from the diverse locations from different places Chhindwara district of Madhya Pradesh, India.

The Research purpose is awareness about dissolved heavy metals and its high concentration and effect on living things. Point out many diseases that causes, due to the high concentration of heavy metal in drinking water, also point out the reason of why heavy metal concentration increasing in water.



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1. INTRODUCTION

Generally, this kind of water pollution is dangerous and the human activity is much more serious. The anthropogenic impact is caused by the heavy industry, transport, power stations, littering, etc. Every factory and plant and nuclear power station requires pure water for the productive activity. When the water is used, it is poured back into the rivers, ponds, ground level water and lakes with pollutants. In addition, the industrial wastes are poured into the seas, river and oceans. Furthermore, the wastes contaminate also the underground water which is the most favorable for drinking. Various means of transport also contaminate water with the wastes of their activity.

The most serious impact is made by ships and automobiles. The problem of littering is also quite serious because it also affects badly the fauna of the rivers and seas and makes the water impossible for drinking.



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Water pollution is the most dangerous kind of pollution because there is no a more valuable resource than water. The student is able to pay attention to the problem and try to understand the cause and effect of water pollution, present the methodology of the efficient solution of the problem, etc.

The proposal should be informative and reflect the public knowledge level of education, the purpose of the research, and the people expectations about the investigation and contain the evaluation of the topic on water pollution and the effective means of water purification.



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2. LITERATURE REVIEW:

IN THIS PARTICULAR FIELD SOME RESEARCH HAS DONE IN
OTHER PART OF THE WORLD, WHICH ARE FOLLOWING-

* GAUTAM PATIL, IRFAN AHMADD AND MAMATA SHARMA,
INT. J. CHEM. SCI.: 8(4), 2010, 2677-2680 (WATER POLLUTION
FROM HEAVY METALS IN SPECIAL REGION OF CHHINDWARA
CITY).

* GAUTAM PATIL, IRFAN AHMADD; ACTA CHIM. PHARM.
INDICA: 1(1), 2011, 7-9; (HEAVY METALS CONTAMINATION
ASSESSMENT OF KANHARGAON DAM WATER NEAR
CHHINDWARA CITY)

* M. Z. H. KHAN, M. R OF HEAVY METALS IN SURFACE
SEDIMENTS OF THE BAY OF BENGAL COAST)



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* Siti Norbava Mat Ripin, Sharizal Hasan , Mohd Lias Kamal ,
NorShahrizan Mohd Hashim (ANALYSIS AND POLLUTION
ASSESSMENT OF HEAVY METAL IN SOIL, PERLIS).

* Hanaa M. Salem , Eweida A. Eweida and Azza Farag (HEAVY
METALS IN DRINKING WATER AND THEIR ENVIRONMENTAL IMPACT
ON HUMAN HEALTH).

* Muhammad Jamshaid, Arshad Ali Khan, Kashif Ahmed,
Monawwar Saleem: <http://dx.doi.org/10.12692/ijb/12.4.223-240>
Article published on April 28, 2018 (Heavy metal in drinking water its
effect on human health and its treatment techniques - a review)

* C. RADULESCU, I.D. DULAMA, C. STIHI, I. IONITA, A. CHILIAN, C.
NECULA, ELENA DANIELA CHELARESCU, July 12, 2014
(DETERMINATION OF HEAVY METAL LEVELS IN WATER AND
THERAPEUTIC MUD BY ATOMIC ABSORPTION SPECTROMETRY).



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* Mohammad Elyas Moslempour and Sara Shahdadi, Feb. 2014
(Assessment of Heavy Metal Contamination in Soils around of
Khash Cement Plant, SE Iran).

* Sudhir Mittal, Asha Rani and Rohit Mehra (ASSESSMENT OF
HEAVY METALS IN CORRELATION WITH PHYSICO-CHEMICAL
PROPERTIES OF DRINKING WATER OF NORTHERN RAJASTHAN,
INDIA).

* Manju Mahurpawar, Social Issues and Environmental
Problems: September, 2015 (EFFECTS OF HEAVY METALS ON
HUMAN HEALTH).



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3. Statement of the Problem:

I saw from last two decades people have suffering by some regional disease and genetic problem. Our aim of this study is to determine dissolved heavy metals contaminant drinking water and its impact on human health in region of Chhindwara district. Heavy metals are sometimes called “trace elements”, and the metallic elements of the periodic table.

Dissolved heavy metals have become of particular interest in recent decades within the framework of environmental investigation. The concentration of trace elements in rocks is varying by rock type. Sometimes, they become concentrated in soil, water, or in air taken up by plants and ingested by humans or animals. Pure water does not exist in nature which are compulsory for people.



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The contamination of water is directly related to the degree of contamination of our environment. Rainwater collects impurities while passing through the air. Streams and rivers collect impurities from surface runoff and through the discharge of sewage and industrial effluents; these are carried to the rivers, lakes or reservoirs that supply our drinking water. All of the chemicals generated by man will eventually end up in our water supplies. These dangerous products from industry, agriculture and other human activities enter the rivers, lakes, and underground water, and can contaminate our drinking water.



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4. Formulation of Hypothesis:

➤ I want to studies on dissolved heavy metal contamination, in the water sample of drinking water of various places of the Chhindwara district.

➤ This study were showing the which water will be drinkable or not. Although this type experiment have done by someany researcher in this area till now.

➤ This studies we will doing on every 13 tehsil places (water sample) of the Chhindwara district MP
In this experiment we will find the concentration of dissolved heavy metals in the drinking water.

➤ Our experimental works were doing in the Laboratory of Govt. College, Bichhua and other AAS analysis.



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- In this research, water samples (100 ml) of drinking water were collected from the different places source.

- Atomic Absorption Spectroscopy (AAS) techniques will be use for the determination the concentration of the drinking water sample.

- The data will be analyses by the correlation with the standard data of WHO has given for the public health.

- The report of this research project consist the intro, sampling, experiment, result, conclusion and their benefits for the public of the Chhindwara distric MP. After this research the public will knowing about water quality which water they was drink, and the effects on their life of that water.



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5. Objectives of Research:

➤ This proposal has oriented around the public health of Chhindwara district.

➤ In this research proposal, we will study the concentration of dissolved heavy metals and their effects on public health of various region of Chhindwara.

➤ I saw from last two decades people have suffering by some regional disease and genetic problem by different metal concentration in drinking water.

➤ After this project the people got benefits, government, as well as new generation will finding new and updated information and knowledge about the water quality of this region.

➤ This research project will be complete in 18 month, according to our exact and proposed planning.



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6. RESEARCH METHODS:

Methods of a research depend on the hypothesis and objectives of the research project. Generally the following issues are covered under research proposal.

- This studies will be doing at all 13 thesil places of whole chhindwara district.
- In this specific region public population have 2.25 lacks at 2019.
- Above population region area is 11815 square kilometer. This area different 13 ploaces have identifie for the drinking water sampling.
- The sample size 100 ml drinking water only and its collection by myself with the research assistant and collecting by measuring cylinder.
- Sampling technique will be followed the direct measuring techniques will be use.
- In this study I will determine the concentration of dissolved heavy metals of drinking water of different area.



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7. DIVISION OF PROJECT IN CHAPTER

- × Chapter-1. Introduction
- × Chapter-2. Literature review
- × Chapter-3. Statement of Research Project
- × Chapter-4. Hypothesis
- × Chapter-5. Objective of Project
- × Chapter-6. Research Methodology
- × Chapter-7. Division of Project
- × Chapter-8. Requirement of Project (Staff/Personal/Finance)
- × Chapter-9. Duration
- × Chapter-10. National/International implications of the project
- × Chapter-11. Figure/Table/Picture
- × Chapter-12. Declaration



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8. REQUIRED OF PROJECT (STAFF/PERSONAL/FINANCE)

Researcher Dr. Gautam Patil, Assistant Professor Chemistry, Government College Bichhua, Chhindwara MP, INDIA.

Expected Costs

*Research Assistance/Administrative costs	20000 x 18=3,60,000.00
*AAS (ATOMIC ABSORPTION SPECTROPHOTOMETER)=	7,75,000.00
*Chemicals and glassware	55,000.00
*Literature survey	20,000.00
*Publication work	20,000.00
*Contingency	30,000.00
*Travelling costs	20,000.00

Rs. = 12,80,000.00

Additional costs in terms of provision of rooms, telephone, and internet facility would be supported by the Government College Bichhua, Chhindwara MP, INDIA



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9. DURATION

The project is expected to commence in December 2023

Qualitative Study

- 1 month – Design and questionnaire construction
- 3 months – Literature survey and collection of qualitative data
- 3 months – Collection of drinking water samples from the different 13 places of Chhindwara district
- 6 months – Testing and AAS analysis of the dissolved heavy metals in drinking water samples.
- 4 month – writing and presentation of study
- 1 month – Preparation conclusion of the research project.

18 months total
=====



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10. NATIONAL/INTERNATIONAL IMPLICATIONS OF THE PROJECT

According to the WHO, different level of dissolved heavy metals in the drinking water the great threat to human health in the 21st century. In the future scientists will taking more information and data of this special region from this research project. Dissolved heavy metals and their effects on human health, this research project will be contributing to national and international policy implication and will be give knowledge for the human health.



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11. FIGURE/TABLE/PICTURE

SN	METAL	MANUFACTURING INDUSTRIES
1	Arsenic	Phosphate and Fertilizer, Metal Hardening , Paints And Textile
2	Cadmium	Phosphate Fertilizer, Electronics, Pigments And Paints
3	Chromium	Metal Plating , Tanning, Rubber And Photography
4	Copper	Plating, Rayon And Electrical
5	Lead	Paints, Battery
6	Nickel	Electroplating , Iron Steel
7	Zinc	Galvanizing, Plating Iron And Steel
8	Mercury	<u>Chlor-Alkali</u> , Scientific Instruments , Chemicals



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SN	Metal	Effects	Drinking water standards
1	Lead	<ul style="list-style-type: none"> • Poytotoxic • Tiredness, irritability anemia and behavioral changes of children. • Toxic to humans, aquatic fauna and livestock High doses cause metabolic poison • Hypertension and brain damage 	<ul style="list-style-type: none"> • maximum concentration: 0.1 mg L^{-1} • By European Community: 0.5 mg L^{-1} • According to water quality (India) 0.1 mg L^{-1}
2	Nickel	<ul style="list-style-type: none"> • High phytonicity Damaging fauna • High conc. can cause DNA damage • Eczema of hands 	<ul style="list-style-type: none"> • By the Environmental Protection Agency • maximum concentration: 0.1 mg L^{-1} By (India): 0.1 mg • According to water quality (India) 0.1 mg L^{-1}
3	Chromium	<ul style="list-style-type: none"> • Necrosis nephritis and death in man (10 mg kg^{-1} of body weight as hexavalent chromium) • Irritation of gastrointestinal mucosa 	<ul style="list-style-type: none"> • By the Environmental Protection Agency maximum concentration: (hexavalent and trivalent) total 0.1 mg L^{-1} • By European Community: 0.5 mg L^{-1} • Regulation of water quality (India) 0.1 mg L^{-1}
4	Copper	<ul style="list-style-type: none"> • Irritation followed by depression • Causes damage in a variety in aquatic fauna. • Mucosal irritation and corrosion Central nervous system 	<ul style="list-style-type: none"> • By the Environmental Protection Agency maximum concentration: 1.5 mg L^{-1} • By European Community: 3 mg L^{-1} • According to water quality (India) 0.01 mg L^{-1}
5	Zinc	<ul style="list-style-type: none"> • Lack of muscular coordination Abdominal pain etc. • Poytotoxic Anemia 	<ul style="list-style-type: none"> • By European Community: 5 mg L^{-1} • According to water quality (India) 0.1 mg L^{-1} • By the Environmental Protection Agency maximum concentration: 0.4 mg L^{-1}
6	Cadmium	<ul style="list-style-type: none"> • Emphysema. • Anemia Acute effects in children. • Cause serious damage to kidneys and bones in humans Bronchitis. 	<ul style="list-style-type: none"> • By the Environmental Protection Agency maximum concentration: 0.004 mg L^{-1} • By European Community: 0.03 mg L^{-1} • Regulation of water quality (India) 0.005 mg L^{-1}
7	Mercury	<ul style="list-style-type: none"> • Poisonous • Disturbs the cholesterol • Causes mutagenic effects 	<ul style="list-style-type: none"> • By the Environmental Protection Agency maximum concentration of Hg: 0.001 mg L^{-1} • By European Community: 0.001 mg L^{-1} • According to water quality (India) 0.003 mg L^{-1}
8	Arsenic	<ul style="list-style-type: none"> • Causes toxicological and carcinogenic Effects Causes melanosis. • Keratosis and hyperkeratinization in humans Genotoxicity through generation of reactive oxygen species and lipid Peroxidation. • Neurotoxicity Disturbance of co-receptor expression 	<ul style="list-style-type: none"> • World Health Organization guideline of 0.01 mg L^{-1} • By European Community: 0.01 mg L^{-1} • According to water quality (India) 0.05 mg L^{-1}



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12. DECLARATION

I am Dr.Gautam Patil, (Principal Investigator) Assistant Professor & Head of Chemistry, Govt. College Bichhua, Chhindwara (MP), hereby declare, that the proposal submitted, complies with the relevant rules. This research proposal "Dissolved heavy metals in drinking water and their effects on public health with reference to Chhindwara district" has fulfile the social responsibility. This proposal is a presentation of my preplanned research framework, whereas in this proposal contributions of others are also involve. This research proposal related everything is given true as my knowledge and information.

Date: 04/10/2023

Place: Bichhua

Dr.Gautam Patil

Asst Professor & Head.

(Principal Investigator)

Dept. of Chemistry,

Govt. College Bichhua, Chhindwara (MP)

Mob: 09329762703

Minor Research Project : Dr. Gautam Patil



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YEAR
2021-22



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Project Proposal on

“बिछुआ विकासखण्ड की जनजातियों का
वनों पर प्रभाव”

Project Cost -

Rs 10,000

- Project Period -

(1 Year)

2021 – 2022

Submitted to

Government College Bichhua,
District Chhindwara (M.P.)

Submitted by

Dr. Shahida Begam Mansuri
Assistant Professor,
Dept. of Geography
Government College Bichhua,
District Chhindwara (M.P.)



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वनों पर प्रभाव”

S.No.	Subject	Page No.
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2	Detailed Proposal – Annexure - II	5
3	Detailed expenditure – Annexure - III	6
4	Declaration – Annexure - IV	7



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Annexure - I

A. General Information

S.No.	Particular	Details
1	Title of the Project (Project Name)	“बिछुआ विकासखण्ड की जनजातियों का वर्नों पर प्रभाव”
2	Project Duration	1 Year
3	Project Cost (Rs.)	10,000
4	Executing Agency (Name of the Institute with full address, telephone, e-mail ID)	Government College Bichhua, District Chhindwara
4.1	Name of Institute	Government College Bichhua, District Chhindwara
4.2	Address of Institute	Bichhua
4.3	Landline No (O)	
4.4	E-mail	
5	Head of Institute (Details of Principal)	
5.1	Name of Principal	Dr. R.P. Yadava
5.2	Sex	Male
5.3	Qualification	Ph.D.
5.4	Experience	30 years
5.5	Address of Principal	Government College Bichhua
5.6	Landline No (R)	
5.7	Mobile No.	9425425968
6.	Name of Project Investigator (PI) (Teacher/Professor): (with address for correspondence including landline, mobile no. and e-mail address)	
6.1	Name of Project Investigator	Dr. Shahida Begam Mansuri
6.2	Designation	Assistant Professor
6.4	Sex	Female
6.5	Qualification	Ph.D.



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6.6	Experience	
6.7	Landline no (R)	
6.8	Mobile No.	
6.9	Email	
7.	Details of Project area- Janpad Panchayat (with address for Correspondence including landline, mobile no. and e-mail address)	Bicuhua,
	Name of Janpad Panchayat and district	Bicuhua, Chhindwara
	Mobile No.	
	Email	
8.	Bank Details for disbursement of funds	
	Name of Bank	SBI
	Account Holder's Name	Shahida Begam Mansuri
	Account Number	39034361120
	Address of Bank	Bichhua
	IFSC CODE	SBIN0005924



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Annexure- II

B. Detailed Proposal

	Particular	Details
1.	Objective	<p>प्रस्तुत शोध के उद्देश्य निम्नलिखित हैं -</p> <ol style="list-style-type: none"> 1. बिछुआ विकासखण्ड के भौगोलिक पर्यावरण का अध्ययन करना। 2. बिछुआ विकासखण्ड की गोंड जनजाति की आर्थिक स्थिति का अध्ययन करना। 3. अध्ययन क्षेत्र की गोंड जनजाति की समस्याओं को ज्ञात करना। 4. गोंड जनजाति के विकास के लिये सरकार द्वारा चलाई जा रही योजनाओं का अध्ययन।
2.	Project Area	Bichhua Block
3.	Name of District	Chhindwara
4.	Methodology and Timeline	
	Financial assistance (amount in Rs)	10,000



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Annexure- III

C. Detailed expenditure-

S.No	Particular	Expenditure in (Rs.)
1.	Collection of Secondary Data (Review of literature/Documents)	1000
2.	Printing/Photocopy/Typing work/Binding/internet/pendrive	5000
3.	other work (Travel and communication)	1000
4.	Collection of Primary Data	500
5.	Other miscellaneous expenditure	500
	GRAND TOTAL	



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Annexure - IV

D. Declaration

1. I/We shall be responsible for obtaining and compliance of all legal permissions Required under any other law applicable in relation to execution of the project.
2. I/We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
3. Full audited Utilization Certificate will be submitted at the end.
4. f I fail to comply with any of the above I shall we subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Name and Signature

Project Investigator

Name and Signature of

Head of Organization

Date-

Place –

Minor Research Project : Dr. Shahida Mansoori



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Project Proposal

on

**“Spatial Analysis of Agricultural Development in
Bichhua block of Chhindwara District (M.P.)”**

-Project Cost-

Rs. 20,000.00

-Project period-

Year: 2021-22

-Submitted to-

Principal

Govt. College of Bichhua, Chhindwara M.P.

(Development Grant)

-Submitted by-

(Dr. Vaishali Gupta)
Co-project Investigator
Assistant Professor,
Department of Botany
Government College Bichhua,
Chhindwara (M.P.)

(Mrs. Meena Thakre)
Project Investigator
Assistant Professor,
Department of Geography
Government College Bichhua,
Chhindwara (M.P.)



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Project Proposal on

**“Spatial Analysis of Agricultural Development in Bichhua
block of Chhindwara District (M.P.)”**

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SUBMISSION OF MINOR PROJECT PROPOSAL ON “SPATIAL ANALYSIS OF AGRICULTURAL DEVELOPMENT IN BICHHUA BLOCK OF CHHINDWARA DISTRICT (M.P.)”

General Information

S.No.	Particular	Details
1.	Title of the Project- (Project Name)	Spatial Analysis of Agricultural Development in Bichhua block of Chhindwara District (M.P.)
2.	Project Duration	01 Year (Year 2021-22)
3.	Project Cost (Rs.)	20,000.00 (Annexure-3- Details of expenditure)
4.	Executing Agency (Name of the Institute with full address, telephone, e-mail ID)	
4.1	Name of Institute (School / College)	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
4.2	Address of Institute	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
4.3	Landline No (O)	07162-259715
4.4	E-mail	hegcbicchh@mp.gov.in
5.	Head of Institute (Details of Principal)	
5.1	Name of Principal (School / College)	Dr. R.P. Yadav
5.2	Age	58
5.3	Sex	Male
5.4	Qualification	Ph.D. Geography
5.5	Experience	20 Years
5.6	Address of Principal	Principal, Govt. College of Bichhua, Chhindwara, M.P.
5.7	Landline No (R)	07162-259715
5.8	Mobile No.	09425425968



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6.	Name of Project Investigator (PI) (Teacher/Professor): (with address for correspondence including landline, mobilen. and e-mail address)	
6.1	Name of Project Investigator	Mrs. Meena Thakre
6.2	Designation	Assistant Professor – Geography
6.3	Age	32 Year
6.4	Sex	Female
6.5	Qualification	M.A. Geography, SET, NET
6.6	Experience	06 Year
6.7	Address of PI	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
6.8	Landline no (R)	07162-259715
6.9	Mobile No.	7000378954
6.10	E-mail	thakremeena08@gmail.com
7.	Name of Co Project Investigator (Co PI) (Teacher/Professor): (with address for correspondence including landline, mobile no. and e-mail address)	
7.1	Name of Co Project Investigator	Dr. Vaishali Gupta
7.2	Designation	Assistant Professor & Head Department of Botany
7.3	Age	37
7.4	Sex	Female
7.5	Qualification	M.Sc., M.Phil., Ph.D., SET
7.6	Experience	10 Year
7.7	Address of Co-PI	Department of Botany, Govt. College of Bichhua, Chhindwara, M.P.
7.8	Landline no (R)	07162-259715
7.9	Mobile No.	8989525488
7.10	E-mail	dr.vaishaligupta@mp.gov.in
8.	Details of Project area- Janpad Panchayat (with address for correspondence including landline, mobile no. and e-mail address)	
8.1	Name of Janpad Panchayat and district	Bichhua District- Chhindwara
8.1	Study area	Bichhua Block



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Annexure- II

A. Detailed Proposal

S.No.	Particular	Details
1.	Background of Project-	<p>Agriculture plays an important role in economic development of the country. Agricultural development enhances social and cultural development due to an increase in per capita income. Agricultural development is an integral part of overall economic development in the country like India. For well agricultural development requires modernization and commercialization of agriculture. It is highly possible if good agricultural infrastructure is provided to agriculture activity dominated area. At national and local level, availability of such agricultural infrastructure is not well distributed, which responsible to create regional disparity in agricultural development.</p> <p>Bichhua block of Chhindwara district is a major agriculturally dominant block in the Chhindwara M.P. In Bichhua block also, such regional disparity in agricultural development is observed in large scale. Therefore it is important to highlight the less developed agricultural region and try to promote agricultural development. Therefore, the present study is an attempt in the same direction but at block level.</p>
2.	Objectives of the project-	<p>The present study is being proposed with following specific objectives.</p> <ol style="list-style-type: none"> 1. To analyze the agricultural development in Bichhua block. 2. To analyze the availability of agricultural infrastructure for agricultural development in Bichhua block. 3. To analyze the problems of agricultural development in Bichhua block.
3.	Project/Study Area	
3.1	Name of District	Chhindwara
3.2	Name of Janpad	Bichhua



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3.3	Total Area Janpad Panchayat	783.03 km ²
3.4	Total No of Gram Panchayat/Village-	147
4.	Methodology and Timeline	<ul style="list-style-type: none"> • The present study is based on the primary and secondary source of data. Primary data will be collected from the field work and interviews of 50 farmers from randomly selected 40 villages of the study region. • Secondary data will be obtained from the Deputy Director of Agriculture Chhindwara, District census handbook and District Gazetteers. All data were suitably converted into tables drawn for analysis the agricultural development of the study region. The basic unit for investigation is block. • A Geographical Information System (GIS) technique is also used to prepare the maps. For that purpose, Autodesk Map 2004 and Illwis 3.8 software will be used. • Statistical tools like percentage and average will be used for analysis of data during the study. • The Kendall's ranking co-efficient index method (1939) will be used to determine the level of agricultural development in Bichhua block of Chhindwara. • The collected data will passed through classification, tabulation and analysis in meaning full interpretation and drawing meaningful conclusion.
5.	Financial assistance required (amount in Rs)	Rs- 20,000.00
6.	Final Submission of report-Items to be Submitted	5 Copies of final report at completion of project



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Annexure- III

B. Detailed expenditure

S.No.	Particular	Expenditure in (Rs.)	Total Exp. (Rs.)
1.	Collection of Secondary Data (From office of Deputy Director of Agriculture Chhindwara, District census handbook and District Gazetteers)		
1.1	Printing/Photocopy/Typing work	2,000.00	3,000.00
1.2	Other work (Travel and communication)	1,000.00	
3.	Collection of Primary Data from Fields		
3.1	Survey and data collection work- Individual farmer/respondent will be interviewed by research team at randomly selected villages (Transport & Travels)	10,000.00	10,000.00
4.	Report preparation and compilation (Typing, data entry work printing and Submission of report)		
4.1	Data compilation/computerization in excel sheet	1,000.00	5,000.00
4.2	Typing and Printing work (First draft and Second draft)	2,000.00	
4.3	Others Expenses: Binding/Color photos/Pen drive/ Internet	2,000.00	
5.	Miscellaneous expenses		2,000.00
	Grand Total		20,000.00



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Annexure- IV

C. Declaration

1. I/We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
2. The above project is not funded by any other agency and funding support on the same will not be sought from any other agency.
3. Full audited Utilization Certificate will be submitted at the end.
4. If I fail to comply with any of the above, I shall be subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Co-project Investigator

S

(Dr. Vaishali Gupta)
Assistant Professor,
Department of Botany
Government College Bichhua,
Chhindwara (M.P.)

Project Investigator

(Mrs. Meena Thakre)
Assistant Professor,
Department of Geography
Government College Bichhua,
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Minor Research Project : Dr. Meena Thakre



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PROPOSAL FOR MINOR RESEARCH PROJECT **(Session 2021-22)**

Title of Minor Research Project

'NATURE MAN SPIRIT COMPLEX OF THE TRIBES OF BICHHUA
TD BLOCK, DISTRICT CHHINDWARA, M.P.
&
IMPACT OF TRIBAL DEVELOPMENT PROGRAMS ON THESE
TRIBES'

Submitted By

MANISH KUMAR THAKUR
Assistant Professor (Guest Faculty)
Department of Political Science
Govt. College Bichhua
District- Chhindwara (M.P.)

Department of Political Science
Govt. College Bichhua
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04	AIMS/OBJECTIVES OF THE STUDY	STATEMENT OF THE SPECIFIC OBJECTIVES OF THE RESEARCH PROJECT	8
05	KEY ISSUES OF RESEARCH	<ol style="list-style-type: none"> 1. Current state of social, economic & Educational development 2. Study of the 'Nature-Man-Spirit Complex' 3. Current state of the impact of administrative programs especially Tribal Sub-Plan (TSP) on the people of various tribal groups. 4. Interdependency between 'Socio-Economic-Psychological Matrix' and Tribal Administration Programs and its impact on overall development of various tribal groups. 5. Adaptability of the people of various tribal groups to the process of Social Change. 6. Adaptability of the people of various tribal groups to the Administrative Programs especially the Tribal Sub-Plan(TSP) being implemented for them by the State Govt. of M.P. 	9-10
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	OUTCOMES & PROPOSED OUTCOMES FROM THE RESEARCH	POLICY MAKING, PROPOSED OUTCOMES FROM THE STUDY, BOOKS, RESEARCH PAPERS ETC.	
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1. TITLE OF THE MINOR RESEARCH PROJECT

**NATURE-MAN-SPIRIT COMPLEX OF THE TRIBES
OF BICHHUA TD BLOCK, DISTRICT CHHINDWARA,
M.P**

&

**IMPACT OF TRIBAL DEVELOPMENT PROGRAMS
ON THESE TRIBES**

INTRODUCTION

The present research shall be conducted in the Bichhua TD Block Area which is inhabited by various Tribes and Sub-Tribes. The Bichhua TD Block lies in the Chhindwara District of M.P. The present area of research shall include the various villages of Bichhua TD Block namely Village Khairimali, Doklikhurd, Akalma, Dhamaniya & Malhanwada belonging to Kairimali Village Panchayat; Village Karel, Doklikalan & Sherpapada which belong to Village Panchayat Krel; Village Samarboh which is a Village Panchayat ; Village Surangi, Puntara & Gummach Khamariya which belong to Village Panchayat Surangi; Village Kurai of Village Panchayat Panathawdi of Bichhua TD Block. The object of this research is to get an insider view of the Nature-Man-Spirit Complex of the Tribes of Bichhua TD Block & know the current state of the impact of Tribal Development Programs on the Socio-economic development of the various tribal groups of Bichhua TD Block of District Chhindwara of M.P.



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ABSTRACT

This research shall focus on the study of Nature-Man-Spirit Complex of the indigenous tribes of Bichhua tribal development Block, District- Chhindwara, M.P. with reference to various parameters such as interdependency and interaction among various factors such as the social organization, religious beliefs, ecological conditions and their impact on the quality of life of Tribal Folks.

This Research shall also focus on the study of the current state of Tribal Development Strategy adopted by Centra & State Governments which are being implemented in tribal belts by various agencies of Govt.

In this Research, the Researcher shall also study the adaptability of tribal development programs by the tribal groups.

This Minor Research Project shall also focus on the impact of Tribal Development Programs on the Tribal Groups of Bichhua Tribal Development Block of Chhindwara District of M.P. in respect of various parameters of tribal development such as social aspects, economic aspects, educational development, poverty alleviation programs, employment generation, livelihood projects, literary programs, creation of employable skills etc



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KEY ISSUES OF RESEARCH

The proposed research will mainly focus on the study of the NATURE-MAN-SPIRIT COMPLEX of the tribes residing in the BICHHUA TD BLOCK as well as on the processes and the results/impact of tribal administration programs on various Tribal Groups of **BICHHUA TD BLOCK of Chhindwara District** of Madhya Pradesh.

This research incorporates the following key issues: -

- 1 The Study of NATURE-MAN-SPIRIT COMPLEX of the Tribes of Bichhua TD Block.
- 2 The study of the interaction among various factors such as social organization , religious beliefs, ecological conditions among various tribal groups and its impact on the adaptability of the Tribal Administration Programs especially Tribal Sub-Plan (TSP).
- 3 Interdependency between 'Socio-Economic-Psychological Matrix' and Tribal Administration Programs and its impact on overall development of various tribal groups.
- 4 The current state of social development with reference to the following parameters:
 - A. An overall assessment of the social fabric and traditions prevailing among the various tribal groups that have an important bearing on their adaptability to the Tribal Development Plan Strategy.
 - B. The study of the 'Social Organization' and social norms and myths prevailing among the people of various tribal groups that have an important place in their life.
 - C. The process of social change among the people of various tribal groups since the adoption of the Tribal Sub-Plan (TSP) Strategy in the year 1975.



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- 5 The current state of economic development with reference to the following parameters:
 - A. A. The current state of employment among people of various tribal groups.
 - B. The current state of poverty among people of Various Tribes.
 - C. The current state of employable skills among people of various tribal groups.
- 6 The current state of educational development with reference to the following parameters:
 - A. The level of literacy among people of various tribal groups.
 - B. A comparative analysis of the level of male literacy and female literacy among people of various tribal groups.
 - C. The current state of overall education among various tribal groups.
7. The study of current state of the impact of administrative programs on the people of various tribal groups.



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SCOPE OF RESEARCH

The scope of this research is limited to the study of the tribal groups of Bichhua TD Block of Chhindwara District of Madhya Pradesh.

RESEARCH APPROACH

1. In this research both the primary and secondary methods of data collection shall be adopted. However, the preferred approach for data collection shall be through field work in the area of research.
2. In this research, the research methods of Survey, Field Work, Case Study, Ethnography, Questionnaire, Sampling and Experimentation shall be adopted and various tools of data collection such as, questionnaire, interviews, focus groups, documentary analysis shall be adopted.
3. The primary data shall be collected through Fieldwork, Survey, Questionnaire, Sampling and Experimentation and methods of data analysis and interpretation shall be adopted.
4. Based on the fieldwork, an assessment of the Tribal Development Plans shall be done by adopting the primary tools of data collection such as interacting with the people of various Tribes, Survey, field-Work, Ethnography & Questionnaire.



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5. During fieldwork a Questionnaire shall be prepared and responses shall be got from the members of various tribal groups of BICHHUA TD BLOCK AREA.
6. Secondary Data shall be collected through Case Study & Ethnographic Studies and an Analysis and Interpretation of the Existing Data shall be made.
7. The results of the research shall be analyzed and interpreted in the form of a Final Report.
8. A 'Proposed Scheme of Development of tribal groups of Bichhua TD Development Block of Chhindwara District of Madhya Pradesh will be prepared with a view to further improvement in the development strategy of TRIBES of BICHHUA TD BLOCK in tune with their present Tribal Matrix.



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RELEVANCE, ANTICIPATED OUTCOMES & PROPOSED OUTCOMES FROM THE RESEARCH

RESULTS EXPECTED FROM PROPOSED RESEARCH

The proposed research and the results thereof are expected to expand the knowledge domain of tribal development and to achieve an in-depth knowledge about the interdependency between the 'Tribal Matrix' and the extent of adaptability of Tribal Administration Programs especially Tribal Sub-Plan (TSP) by the tribal people. The anticipated implications of such results will certainly contribute to the advancement of knowledge domain in the Tribal Development Strategy and Policy Interventions in future tribal development strategy.

TIME FRAME: One Year from the Date of Approval

INSTRUMENTATION

The instruments used in the research would include Audio/Video Recording Devices, Audio/Video Cameras, Charts, Schedules, Observation Grids, Questionnaire and Interview and other electronic gadgets as required as per situation.

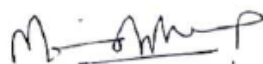
LIMITATIONS

The limitations that this research may encounter will be related to financial constraints and funding for fieldwork and ethnographic studies, fund for arrangement of technical personnel to support the conduction of field work and ethnographic studies. Another constraint would be to get required support from the Local Administration and field staff that are posted in the area of research.

REFERENCES

References of Source Material will be provided in the Detailed Final Report of MRP.

Date-27/07/2021


(MANISH KUMAR THAKUR)
PRINCIPAL INVESTIGATOR



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Name of The Researcher : MANISH KUMAR THAKUR

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Minor Research Project – Dr. Manish Kumar Thakur



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Project Proposal

on

**“Spatial Analysis of Agricultural Development in
Bichhua block of Chhindwara District (M.P.)”**

-Project Cost-

Rs. 20,000.00

-Project period-

Year: 2021-22

-Submitted to-

Principal

Govt. College of Bichhua, Chhindwara M.P.

(Development Grant)

-Submitted by-

(Dr. Vaishali Gupta)
Co-project Investigator
Assistant Professor,
Department of Botany
Government College Bichhua,
Chhindwara (M.P.)

(Mrs. Meena Thakre)
Project Investigator
Assistant Professor,
Department of Geography
Government College Bichhua,
Chhindwara (M.P.)



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Project Proposal on

“Spatial Analysis of Agricultural Development in Bichhua block of Chhindwara District (M.P.)”

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SUBMISSION OF MINOR PROJECT PROPOSAL

ON

“SPATIAL ANALYSIS OF AGRICULTURAL DEVELOPMENT IN BICHHUA
 BLOCK OF CHHINDWARA DISTRICT (M.P.)”

General Information

S.No.	Particular	Details
1.	Title of the Project- (Project Name)	Spatial Analysis of Agricultural Development in Bichhua block of Chhindwara District (M.P.)
2.	Project Duration	01 Year (Year 2021-22)
3.	Project Cost (Rs.)	20,000.00 (Annexure-3- Details of expenditure)
4.	Executing Agency (Name of the Institute with full address, telephone, e-mail ID)	
4.1	Name of Institute (School / College)	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
4.2	Address of Institute	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
4.3	Landline No (O)	07162-259715
4.4	E-mail	hegcbicchh@mp.gov.in
5.	Head of Institute (Details of Principal)	
5.1	Name of Principal (School / College)	Dr. R.P. Yadav
5.2	Age	58
5.3	Sex	Male
5.4	Qualification	Ph.D. Geography
5.5	Experience	20 Years
5.6	Address of Principal	Principal, Govt. College of Bichhua, Chhindwara, M.P.
5.7	Landline No (R)	07162-259715
5.8	Mobile No.	09425425968



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6.	Name of Project Investigator (PI) (Teacher/Professor): (with address for correspondence including landline, mobilen. and e-mail address)	
6.1	Name of Project Investigator	Mrs. Meena Thakre
6.2	Designation	Assistant Professor – Geography
6.3	Age	32 Year
6.4	Sex	Female
6.5	Qualification	M.A. Geography, SET, NET
6.6	Experience	06 Year
6.7	Address of PI	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
6.8	Landline no (R)	07162-259715
6.9	Mobile No.	7000378954
6.10	E-mail	thakremeena08@gmail.com
7.	Name of Co Project Investigator (Co PI) (Teacher/Professor): (with address for correspondence including landline, mobile no. and e-mail address)	
7.1	Name of Co Project Investigator	Dr. Vaishali Gupta
7.2	Designation	Assistant Professor & Head Department of Botany
7.3	Age	37
7.4	Sex	Female
7.5	Qualification	M.Sc., M.Phil., Ph.D., SET
7.6	Experience	10 Year
7.7	Address of Co-PI	Department of Botany, Govt. College of Bichhua, Chhindwara, M.P.
7.8	Landline no (R)	07162-259715
7.9	Mobile No.	8989525488
7.10	E-mail	dr.vaishaligupta@mp.gov.in
8.	Details of Project area- Janpad Panchayat (with address for correspondence including landline, mobile no. and e-mail address)	
8.1	Name of Janpad Panchayat and district	Bichhua District- Chhindwara
8.1	Study area	Bichhua Block



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Annexure- II

A. Detailed Proposal

S.No.	Particular	Details
1.	Background of Project-	<p>Agriculture plays an important role in economic development of the country. Agricultural development enhances social and cultural development due to an increase in per capita income. Agricultural development is an integral part of overall economic development in the country like India. For well agricultural development requires modernization and commercialization of agriculture. It is highly possible if good agricultural infrastructure is provided to agriculture activity dominated area. At national and local level, availability of such agricultural infrastructure is not well distributed, which responsible to create regional disparity in agricultural development.</p> <p>Bichhua block of Chhindwara district is a major agriculturally dominant block in the Chhindwara M.P. In Bichhua block also, such regional disparity in agricultural development is observed in large scale. Therefore it is important to highlight the less developed agricultural region and try to promote agricultural development. Therefore, the present study is an attempt in the same direction but at block level.</p>
2.	Objectives of the project-	<p>The present study is being proposed with following specific objectives.</p> <ol style="list-style-type: none"> 1. To analyze the agricultural development in Bichhua block. 2. To analyze the availability of agricultural infrastructure for agricultural development in Bichhua block. 3. To analyze the problems of agricultural development in Bichhua block.
3.	Project/Study Area	
3.1	Name of District	Chhindwara
3.2	Name of Janpad	Bichhua



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3.3	Total Area Janpad Panchayat	783.03 km ²
3.4	Total No of Gram Panchayat/Village-	147
4.	Methodology and Timeline	<ul style="list-style-type: none">• The present study is based on the primary and secondary source of data. Primary data will be collected from the field work and interviews of 50 farmers from randomly selected 40 villages of the study region.• Secondary data will be obtained from the Deputy Director of Agriculture Chhindwara, District census handbook and District Gazetteers. All data were suitably converted into tables drawn for analysis the agricultural development of the study region. The basic unit for investigation is block.• A Geographical Information System (GIS) technique is also used to prepare the maps. For that purpose, Autodesk Map 2004 and Illwis 3.8 software will be used.• Statistical tools like percentage and average will be used for analysis of data during the study.• The Kendall's ranking co-efficient index method (1939) will be used to determine the level of agricultural development in Bichhua block of Chhindwara.• The collected data will passed through classification, tabulation and analysis in meaning full interpretation and drawing meaningful conclusion.
5.	Financial assistance required (amount in Rs)	Rs- 20,000.00
6.	Final Submission of report-Items to be Submitted	5 Copies of final report at completion of project



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Annexure- III

B. Detailed expenditure

S.No.	Particular	Expenditure in (Rs.)	Total Exp. (Rs.)
1.	Collection of Secondary Data (From office of Deputy Director of Agriculture Chhindwara, District census handbook and District Gazetteers)		
1.1	Printing/Photocopy/Typing work	2,000.00	3,000.00
1.2	Other work (Travel and communication)	1,000.00	
3.	Collection of Primary Data from Fields		
3.1	Survey and data collection work- Individual farmer/respondent will be interviewed by research team at randomly selected villages (Transport & Travels)	10,000.00	10,000.00
4.	Report preparation and compilation (Typing, data entry work printing and Submission of report)		
4.1	Data compilation/computerization in excel sheet	1,000.00	5,000.00
4.2	Typing and Printing work (First draft and Second draft)	2,000.00	
4.3	Others Expenses: Binding/Color photos/Pen drive/ Internet	2,000.00	
5.	Miscellaneous expenses		2,000.00
	Grand Total		20,000.00



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Annexure- IV

C. Declaration

1. I/We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
2. The above project is not funded by any other agency and funding support on the same will not be sought from any other agency.
3. Full audited Utilization Certificate will be submitted at the end.
4. If I fail to comply with any of the above, I shall be subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Co-project Investigator

S

(Dr. Vaishali Gupta)
Assistant Professor,
Department of Botany
Government College Bichhua,
Chhindwara (M.P.)

Project Investigator

(Mrs. Meena Thakre)
Assistant Professor,
Department of Geography
Government College Bichhua,
Chhindwara (M.P.)

Minor Research Project – Mrs. Meena Thakre



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YEAR
2020-21



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PROJECT PROPOSAL 2020~21

Title of Project

**Phytosociological Studies on Tree Species diversity of
rural and tribal areas of Bichhua Tehsil, district
Chhindwara, Madhya Pradesh, India**

SUBMITTED TO

GOVERNMENT COLLEGE BICHHUA CHHINDWARA MADHYA
PRADESH 480001



SUBMITTED BY

DR. KAVITA CHAHAL
ASSISTANT PROFESSOR, BOTANY



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1) Name(s) of the Applicant(s): Dr. Kavita Chahal

2) Department (Full Address):

Department of Botany, Government College Bichhua Chhindwara, M.P, India 480111

3) Title of Research Project:

Phytosociological Studies on Tree Species diversity of rural and tribal areas of Bichhua Tehsil, district Chhindwara, Madhya Pradesh, India

4) Broad area/Field classification: Life Sciences

5) Period required for completion of Research Scheme: 1 years (2020-21)

6) INTRODUCTION

Phytosociology is the study of the characteristics, classification, relationship and distribution of plant communities and it is useful to collect such as data to describe the population dynamics of each species studied and how they relate to the other species in the same community. Phytosociological studies are essential for protecting the natural plant communities and biodiversity as well as understanding the changes experienced in the past and continuing in the future.

7) STUDY AREA

Chhindwara district is divided into three forest division namely East Forest division, West Forest division and South forest division.

8) BACKGROUND OF THE STUDY

Most of the forests are under immense anthropogenic disturbances and require careful management intervention to maintain overall biodiversity and sustainability. Chhindwara District has most of the tribal population. The tribal communities include Gond, Pardhan, Bharia, Korku in 147 villages of Bichhua Tehsil.

9) PROBLEM STATEMENT

Loss of biodiversity is a threat to the natural ecosystem in any particular area locally and leads to ecological imbalance as a whole globally. So, study of the plant biodiversity is an important parameter to understand and assess the population structure. The project will deal with the population structure and tree species diversity of Bichhua Tehsil, Chhindwara District Madhya Pradesh state will be studied.

10) MAIN OBJECTIVE



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The Main Purpose of the phytosociological analysis is to understand floristic vegetation characteristics, to estimate the species richness and diversity which is existing in the study area of district Chhindwara, Madhya Pradesh, India.

11) SPECIFIC OBJECTIVE

The specific objectives will encompass the following:

- to analyze and compare the density, frequency and abundance of tree diversity in the study area
- to estimate the species richness and diversity which is existing in the study area.

12) HYPOTHESIS

- Null Hypothesis: There is no relationship between the density, frequency and abundance of tree diversity in the study area.
- Alternative Hypothesis: There is a relationship between the density, frequency and abundance of tree diversity in the study area.

13) METHODOLOGY

- Phytosociological studies will be carried out to cover all spectrum of vegetation. The entire stretches of the study are divided in to 6.25x6.25 km.
- The objective of the present study is to stratify the forest vegetation into different forest type and to analyze the community structure for species richness, stand population structure, density, frequency, abundance and species girth class relationship.
- The total study area is nearly 100km in and around study sites.
- Observation from each line transect will be recorded for various quantitative characteristics relative frequency, relative density and relative dominance were determined by following methods of Philips EA. (Methods of Vegetation Study, Henry Holt Co. Inc New York, USA, 1959 Pages: 107).
- The main purpose of the phytosociological analysis is to understand floristic vegetation characteristics, to estimate the species richness and diversity which is existing in the study area, the standard protocols of Curtis J.T, and McIntosh R.P.. (The interrelations of certain analytic and synthetic phytosociological characters. Ecology, 1950 31: 434- 455), have been adapted to analyze the density, frequency and abundance. for calculation of frequency, density and abundance the following formulas have to be used.

Density = Total number of Individuals in all sampling units



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Total number of sampling units studied

$$\text{Frequency} = \frac{\text{Number of sampling units in which species occur} \times 100}{\text{Total number of sampling units}}$$

$$\text{Basal area} = Cbh^2 / 4\pi$$

$$\text{Relative density} = \frac{\text{Density value of species} \times 100}{\text{Sum of density value of all species}}$$

$$\text{Relative frequency} = \frac{\text{Frequency value of species} \times 100}{\text{Sum of frequency value of all species}}$$

$$\text{Relative dominance} = \frac{\text{Total basal area of the species} \times 100}{\text{Total basal area of all species}}$$

14) DATA ANALYSIS

All statistical analyses will be carried out using the latest version of SPSS software.

The responses from the individual Likert scale questions will be merged and a new variable (climate change) derived.

The relationship between density, frequency, dominance and their relative values distribution will be examined.

15) EXPECTED OUTCOME

1. The quantitative characters with references to density, frequency, dominance and their relative values distribution could well act as indicators of anthropogenic disturbances that are affecting the various forests types.
2. Such studies would help in understanding the threats that are being faced by the tropical forests and would help in deriving conservation policies.
3. Such studies would help in recognizing traditionally valued natural systems at various levels and planning for their better management, ultimately aiming to conserve biodiversity.



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16) Budget Estimate

Recurring: The component-wise break-up of cost of the project (In Rs.):

COMPONENT	Total Cost (Rs)
Consumables	2000
Travel Cost	5000
Contingency	3000
Total Budge	10,000

Minor Research Project : Dr. Kavita Chahal



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PROPOSAL FOR MINOR RESEARCH PROJECT **(Session 2020-21)**

Title of Minor Research Project

**‘APPLICATIONS OF ICT & E-GOVERNANCE IN DISTRICT
CHHINDWARA, M.P. WITH SPECIAL REFERENCE TO
BICHHUA CD BLOCK’**

Submitted By

MANISH KUMAR THAKUR
Guest Faculty
Department of Political Science
Govt. College Bichhua
District- Chhindwara (M.P.)

Department of Political Science
Govt. College Bichhua
District- Chhindwara (M.P.)



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02	INTRODUCTION	STATEMENT OF THE PROBLEM	3
03	ABSTRACT	A BRIEF DESCRIPTION OF THE MINOR RESEARCH PROJECT	4
04	AIMS/OBJECTIVES OF THE STUDY	STATEMENT OF THE SPECIFIC OBJECTIVES OF THE RESEARCH PROJECT	5
05	KEY ISSUES OF RESEARCH	1. Current state of APPLICATIONS OF ICT for Rural Development 2. Impact of uses of ICT on Rural People 3. ICT based Rural Livelihood Projects 4. Existing E-Governance Structure	5
06	CONCEPTUAL FRAMEWORK	CONCEPTS TO BE USED AND THERELEVANCE THE STUDY	6
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08	REVIEW OF LITERATURE	CURRENT STATUS OF RESEARCH & MAJOR FINDINGS & EXISTING EMPIRICAL FINDINGS (RELEVANCE AS WELL AS INADEQUACY OF THE EXISTING FINDINGS OR APPROACHES AND RATIONALE FOR THE PROPOSED STUDY	6
09	SCOPE & METHODOLOGY	RESEARCH DESIGN, DATA TO BE COLLECTED, & EMPIRICAL & ANALYTICAL METHODS TO BE USED	7-9
10	RELEVANCE, ANTICIPATED & PROPOSED OUTCOMES FROM THE RESEARCH	PRACTICAL IMPORTANCE TO SOCIETY & POLICY MAKING, PROPOSED OUTCOMES FROM THE STUDY, BOOKS, RESEARCH PAPERS ETC.	9
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12	INSTRUMENTATION	INSTRUMENTS TO BE USED DURING RESEARCH	9
13	LIMITATIONS	LIMITATIONS THAT RESEARCHER MAY ENCOUNTER DURING THE RESEARCH	10
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TITLE OF THE MINOR RESEARCH PROJECT

**APPLICATIONS OF ICT & E-GOVERNANCE IN
DISTRICT CHHINDWARA, M.P. WITH
SPECIAL REFERENCE TO BICHHUA CD
BLOCK**

INTRODUCTION

The present research shall be conducted in the Bichhua Block. The Bichhua Block lies in the Chhindwara District of M.P. The object of this research is to know the current state of Applications of ICT & E-Govarmance in Chhindwara District of the State of Madhya Pradesh with special reference to Bichhua Block , District Chhindwara , M.P. & their impact on the quantum & quality of delivery of services to people.

The prime objective of e-Governance is to improve citizens participation in the decision making for effective and good governance. It seems that e-Governance initiative can provide direct benefits to the citizens by delivering the public services in more convenient, cost effective and citizen-oriented manner. The Central as well as the State Government is trying its best to promote e-Governance in the thrust areas such as land record, education, ticket reservation and providing public utilities.



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ABSTRACT

The present Minor Research Project shall make an assessment of the applications of Information & Communication Technology & E-Governance in various sectors in Bichhua Community Development Block. The Research shall also focus on the impact of applications of ICT & E-Governance on the quality & quantum of survives provided to the people by Govt. In the proposed Research, the Researcher shall try to get an insight into the current state of the existence of ICT infrastructure in District Chhindwara with special reference to the rural areas of Bichhua CD Block. In the proposed Research, the Researcher shall also study the existing structure of E-Governance for Rural Development with special reference to Bichhua Block of Chhindwara District of M.P. The research shall also study the policy interventions of the Government for promoting the use of ICT for rural development. The proposed Research is based on the Hypothesis that the Information & Communication Technology plays a significant role in the Qualitative Improvement in the Lives of Rural People as an important tool of knowledge sharing. It also serves as an important linkage from G2C, that is, from Government to Citizens for the delivery of various services.



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LIMITATIONS:

The limitations that this research may encounter will be related to financial constraints and funding for fieldwork, fund for arrangement of technical personnel to support the conduction of field work. Another big constraint would be to get required support from the Local Administration & field staff that are posted in the Rural Areas of Bichhua CD Block.

REFERENCES: References of Source Material will be provided in the Detailed Final Report of MRP.

DATE- 07-12-2020


(MANISH KUMAR THAKUR)
PRINCIPAL INVESTIGATOR

Name of The Researcher : MANISH KUMAR THAKUR

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Minor Research Project : Dr. Manish Kumar Thakur



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Project Proposal

on

**“Assessment of knowledge and adoption of soil health
card based fertilizer application in Bichhua block of
Chhindwara District (M.P.)”**

-Project period-

Year: 2020-21

-Submitted to-

**Principal
Govt. College of Bichhua, Chhindwara M.P.
(Development Grant)**

-Submitted by-

**Dr. Naveen Kumar Verma
Co-Project Investigator
Department of Botany
Govt. College of Bichhua,
Chhindwara M.P.**

**Mrs. Meena Thakre
Project Investigator
Department of Geography
Govt. College of Bichhua,
Chhindwara M.P.**



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SUBMISSION OF MINOR PROJECT PROPOSAL ON

**“Assessment of Knowledge and Adoption of Soil Health Card based
Fertilizer Application in Bichhua Block of Chhindwara District (M.P.)”**

1 General Information

S.No.	Particular	Details
1.	Title of the Project- (Project Name)	Assessment of Knowledge and Adoption of Soil Health Card based Fertilizer Application in Bichhua Block of Chhindwara District (M.P.)
2.	Project Duration	01 Year (Year 2020-21)
3.	Project Cost (Rs.)	20,000.00 (Annexure-3- Details of expenditure)
4.	Executing Agency Govt. College of Bichhua, Chhindwara, M.P.	
4.1	Name of Institute (School / College)	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
4.2	Address of Institute	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
4.3	Landline No (O)	07162-259715
4.4	E-mail	hegcbicchh@mp.gov.in
5.	Head of Institute (Details of Principal)	
5.1	Name of Principal (School / College)	Dr. R.P. Yadav
5.2	Age	55
5.3	Sex	Male
5.4	Qualification	Ph.D. Geography
5.5	Experience	29 Years
5.6	Address of Principal	Principal, Govt. College of Bichhua, Chhindwara, M.P.
5.7	Landline No (R)	07162-259715
5.8	Mobile No.	09425425968



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6.	Name of Project Investigator: (with address for correspondence including landline, mobilen. and e-mail address)	
6.1	Name of Project Investigator	Mrs. Meena Thakre
6.2	Designation	Assistant Professor – Geography
6.3	Age	32 Year
6.4	Sex	Female
6.5	Qualification	M.A. Geography
6.6	Experience	06 Year
6.7	Address of PI	Department of Geography, Govt. College of Bichhua, Chhindwara, M.P.
6.8	Landline no (R)	07162-259715
6.9	Mobile No.	07000378954
6.10	E-mail	thakremeena08@gmail.com
7.	Name of Co Project Investigator: (with address for correspondence including landline, mobile no. and e-mail address)	
7.1	Name of Co Project Investigator	Dr. Naveen Kumar Varma
7.2	Designation	Assistant Professor & Head Department of Botany
7.3	Age	42
7.4	Sex	Male
7.5	Qualification	Ph.D.
7.6	Experience	10 Year
7.7	Address of Co-PI	Department of Botany, Govt. College of Bichhua, Chhindwara, M.P.
7.8	Landline no (R)	07162-259715
7.9	Mobile No.	09300412044
7.10	E-mail	nkverma.nycology@gmail.com
8.	Details of Project area- Janpad Panchayat (with address for correspondence including landline, mobile no. and e-mail address)	
8.1	Name of Janpad Panchayat and district	Bichhua District- Chhindwara
8.1	Study area	20 villages of Bichhua Block



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2 Background of Project

Soil health plays a vital role to ensure sustainable agricultural production. To Popularizing Soil Test based Fertilizer usages, soil health card (SHC) is an essential step. SHC is a tool to help the farmer to monitor and improve soil health based on recommendations and enables the farmer to use the soil and crop specific fertilizers. It provides a qualitative assessment of soil health and reclamation measures to the problematic soil. To optimize the integrated use of manures and fertilizers and to reduce cost of cultivation it is necessary to test the soil and issue Soil Health Cards (SHC) to farmers, with the ultimate objective of achieving fertile soils and healthy crops. Awareness on SHC by conducting meeting/trainings/exhibitions and demos at village level based on the importance of SHC a study is being proposed to assess the knowledge and adoption of SHC based fertilizer application in Bichhua block of Chhindwara District Madhya Pradesh.

3 Objectives

The present study is being proposed with following specific objectives.

1. To assess the socio-economic profile of the farmers.
2. To assess the knowledge of farmers regarding application of SHC.
3. To assess the adoption of SHC based fertilizer recommendation by the farmers.

4 Methodology and Timeline

- Study of the soil samples will be carried out in total 20 villages among the 147 village of Bichhua block based on simple random sampling.
- 10 respondents will be interviewed randomly from each village.
- During the study, individual interview will be made with the respondent/farmers, discussion on importance and content of soil health card and motivate to farmers for applying fertilizes on of soil test value basis.
- The personal interview schedule will be organized for data collection by pre prepared questionnaire. The interview schedule and questionnaire have prepared by keeping in view the objectives of the study.



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- The collected data will be passed through classification, tabulation and analysis in meaning full interpretation and drawing meaningful conclusion.

5 Final Submission of report

Submission of two copies of final report after the completion of project

6 Detailed expected expenditures

S. No.	Particular	Expenditure in (Rs.)	Total Exp. (Rs.)
1.	Collection of Secondary Data (Review of literature/Documents/Agriculture Departments (Soil Testing laboratory))		5,000.00
1.1	Soil Testing Chemical and laboratory	3,000.00	
1.2	Other work (Travel and communication)	2,000.00	
3.	Collection of Primary Data from Fields		3,000.00
3.1	Survey and data collection work- Individual farmer/respondent will be interviewed by research team at randomly selected villages (Transport & Travels)	3,000.00	
4.	Report preparation and compilation (Typing, data entry work printing and Submission of report)		10,000.00
4.1	Data compilation/computerization in excel sheet	2,000.00	
4.2	Typing and Printing work (First draft and Second draft)	5,000.00	
4.3	Others Expenses: Binding/Color photos/Pen drive/ Internet	3,000.00	
5.	Miscellaneous expenses		2,000.00
	Grand Total		20,000.00



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Declaration

1. We shall be responsible for obtaining and compliance of all legal permissions required under any other law applicable in relation to execution of the project.
2. We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
3. The above project is not funded by any other agency and funding support on the same will not be sought from any other agency.
4. Full audited Utilization Certificate will be submitted at the end.
5. If I fail to comply with any of the above, I shall be subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Project Investigator

Dr. Naveen K. Verma
Department of Geography,
Government College Bichhua,
Chhindwara (M.P.)

Project Co-Investigator

Mrs. Meena Thakre
Department of Geography,
Government College Bichhua,
Chhindwara (M.P.)

Minor Research Project : Mrs. Meenta Thakre



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Project Proposal on

“Preparation of People's Biodiversity Register”
In Janpad Mohkhed; District Chhindwara

- Project Cost -
Rs – 1,00,000.00

- Project period -
Financial Year - 2019-2020 & 2020-2021
Jan 2020-Dec 2020

Submitted to –

M.P. State Biodiversity Board
(Forest Dept., Govt. of M.P.)

26, Kisan Bhawan, 1st Floor, Arera Hills,
Bhopal (M.P.) 462011

Email-mpsbb@mp.gov.in

Submitted By –

Dr. Naveen Kumar Verma
Assistant Professor

Department of Botany,
Government College Bichhua,
Distt. Chhindwara (M.P.) 480111
Email: nkverma.mycology@gmail.com



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Project Proposal on

“Preparation of People's Biodiversity Register”

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3	Detailed expenditure-- Annexure- III	7-8
4	Declaration- -- Annexure- IV	9



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Annexure- I



Madhya Pradesh State Biodiversity Board, Bhopal

(FORMAT FOR SUBMISSION OF PROPOSAL OF MINOR PROJECT ON PREPARATION OF
 PEOPLE'S BIODIVERSITY REGISTER (PBR) FOR

Janpad Mohkhed District Chhindwara

A. General Information

S.No.	Particular	Details
1	Title of the Project- (Project Name)	Preparation of People's Biodiversity Register of Janpad <u>Mohkhed</u> District <u>Chhindwara</u>
2	Project Duration	1 st January 2020 to 31 st December 2020
3	Project Cost (Rs.)	1,00,000.00 (Annexure-3- Details of expenditure)
4	Executing Agency: Government College Bichhua, Chhindwara (M.P.) 480111 Telephone: 07162-259715 Fax: : 07162-259715 e-Mail: hegcbicbh@mp.gov.in	
4.1	Name of Institute (School / College)	Government College Bichhua
4.2	Address of Institute	Government College Bichhua, Distt.- Chhindwara (M.P.) PIN 480111
4.3	Landline No (O)	07162-259715
4.4	E-mail	hegcbicbh@mp.gov.in
5	Head of Institute (Details of Principal)	
5.1	Name of Principal (School / College)	Dr. Rajendra Prasad Yadav
5.2	Age	52 Years
5.3	Sex	Male
5.4	Qualification	M.A. (Geography), M.Phil., Ph.D.
5.5	Experience	25 Years
5.6	Address of Principal	Government College Bichhua, Distt.- Chhindwara (M.P.) PIN 480111
5.7	Landline No (R)	0
5.8	Mobile No.	9425425968



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6	Name of Project Investigator (PI) (Teacher/Professor): (with address for correspondence including landline, mobile no. and e-mail address)	
6.1	Name of Project Investigator	Dr. Naveen Kumar Verma
6.2	Designation	Assistant Professor (Botany)
6.3	Age	39
6.4	Sex	Male
6.5	Qualification	M.Sc. (Botany), M.Ed. (Science), Ph.D. SET, GATE, JRF, SRF, NET
6.6	Experience	<p>Teaching Experience: 15 Years Research Experience: 07 Years</p> <p>Research Scholar: Title of the Study: A Mycotaxonomic survey and study of the forest flora of Chhindwara (M.P.). Duration: 10/12/2005 to 10/07/2012 Institute: Department of Botany), Dr. Hari Singh Gour University, Sagar (M.P.) 470003.</p> <p>Research Trainee: Title of the Study: Fungal Biodiversity from the Forest Flora of Madhya Pradesh: A Survey and Study Duration: 01/10/2006 to 01/10/2009 Institute: Department of Botany), Dr. Hari Singh Gour University, Sagar (M.P.) 470003</p> <p>Research Scientist: Title of the Study: Study on Flora and Fauna of Runj Forest, Pawai Forest, Patne Forest and Panchamnagar Forest of Panna and Sagar District Duration: 15/02/2012 to 30/01/2013</p>
6.7	Landline no (R)	+91 9300412044
6.8	Mobile No.	+91 9300412044
6.9	E-mail	nkverma.mycology@gmail.com
7	Name of Co Project Investigator (Co PI) (Teacher/Professor): (with address for correspondence including landline, mobile no. and e-mail address)	
7.1	Name of Co Project Investigator	Dr. Vaishali Gupta



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7.2	Designation	Assistant Professor
7.3	Age	34
7.4	Sex	Female
7.5	Qualification	M.Sc. (Botany) M.Phill., Ph.d. SET (Life Science)
7.6	Experience	<p>Teaching Experience: 5 Years Research Experience: 07 Years</p> <p>Research Scholar: Title of the Study: Production of allelochemicals from waste water cyanobacteria and their effect of rice plants. Duration: 16/07/2011 to 16/01/2018 Institute: Department of Botany, Dr. Hari Singh Gour University, Sagar (M.P.) 470003.</p> <p>Research Scholar: Title of the Study: Ethnobotanical survey of Balaghat Madhya Pradesh. Duration: 01/03/2008 to 31/07/2009 Institute: Vinayaka Mission University Selem (Tamil Nadu)</p>
7.7	Address of PI	Government College Bichhua, Chhindwara (M.P.)
7.8	Landline no (R)	
7.9	Mobile No.	8989525488, 8840397091
7.10	E-mail	vaishaligupta28@gmail.com
8	Details of Project area- Janpad Panchayat (with address for correspondence including landline, mobile no. and e-mail address)	
8.1	Name of Janpad Panchayat and district	Janpad: Mohkhed; District: Chhindwara
8.2	Name of Chief Executive Officer of Janpad Panchayat	Shri Arvind Kumar Borkar
8.3	Landline no (O and R)	
8.4	Mobile No.	9993683473
8.5	E-mail	



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9	Details of Chairperson of Biodiversity Management Committee (BMC): (with address for correspondence including landline, mobile no. and e-mail address) <i>(office use only)</i>		
9.1	Name of Chairperson of BMC	Smt. Kirti Vijay Gavande	
9.2	Landline no (O and R)		
9.3	Mobile No.	9713091457	
9.4	E-mail		
9.5	Order no. of constitution with Date	क्रमांक/जप/2019/2998	Date: 30/10/2019
10	Supporting Institutes/ officers of Biodiversity- Details of <u>Janpad level</u> Biodiversity related department and incharge officers : (with address for correspondence including landline, mobile no. and e-mail address)		
10.1	Forest Department- Name and post (Sub divisional officer / others)	Shri S.S. Rajpoot	
	Contact No.	9424791603	
	Email		
10.2	Agriculture Department- Name and post (Agriculture Development and extension officer / others)	Shri D.S. Ghaghre	
	Contact No.	9407371050	
	Email		
10.3	Horticulture Department- Name and post (Horticulture Development and extension officer / others)	Shri Dhanesh Patil	
	Contact No.	9407031288	
	Email		
10.4	Animal Husbandry Department- Name and post (Veterinary Extension officer / others)	Dr. Patle	
	Contact no.	9329828024	
	Email		



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10.5	Fishery Department- Name and post Fishery Extension officer /others	Anil Kumar Raut
	Contact no	9424637910
	Email	
10.6	School education (Principal of School)	Shri S.K. Baghel
	Contact no.	9893573910
	Email	
10.7	Other available (Agriculture Colleges, Veterinary Colleges or Krishi Vigyan Kendra and other with contact details)	
	Contact no.	
	Email	
11	Bank Details for disbursement of funds	
11.1	Name of Bank	State Bank of India (SBI)
11.2	Account Holder's Name	Principal/Secretary Government College Bichhua
11.3	Account Number	11522939762
11.4	Address of Bank	State Bank of India, Bichhua, Chhindawara (M.P.) 480111
11.4	IFSC CODE	SBIN0005942



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Annexure- III

C. Detailed expenditure-

S.No.	Particular	Expenditure in (Rs.)	Total Exp.(Rs.)
1	BMC Meetings		10,000.00
1.1	First Meeting- Introduction to PBR making.	2,500.00	
1.2	Second Meeting- Presentatin of collected data (information) in prescribed PBR formats.	2,500.00	
1.3	Third Meeting- PBR Draft approval.	2,500.00	
1.4	Fourth Meeting- Submission of Completed PBR after MPSBB's approval to the respective BMC's.	2,500.00	
2	Collection of Secondary Data (Review of literature/Documents)		10,000.00
2.1	Printing/ Photocopy/ Typing work	5,000.00	
2.2	other work (Travel and communicaton)	5,000.00	
3	Collection of Primary Data		37,500.00
3.1	Survey Work- By Research scholars or students for 3 season - (Total time 3 month- one month in every season) (total no of scholar-2)	30,000.00	
3.2	Participatory Rural Appraisal Meeting at field level - PRA (In 3 seasons)	7,500.00	



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S.No.	Particular	Expenditure in (Rs.)	Total Exp.(Rs.)
4	Renumeration of Project Investigator (PI) and Co Project Investigator (Co PI)		10,000.00
4.1	BMC meetings, PRA meetings, Janpad Meetings (Per meeting Rs,1000.00)	10,000.00	
5	Draft of PBR (Typing and data entry work)		27,500.00
5.1	Data compilation/ computerization in prescribed Format	10,000.00	
5.2	Typing and Printing Work (First draft and Second draft)	7,500.00	
5.3	Others Expenses: Printing/Binding/Color photos/ Travelling/ Pen drive/ Internet	10,000.00	
6	Other miscellaneous expenditure		5,000.00
GRAND TOTAL			1,00,000.00



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Annexure- IV

D. Declaration

1. I/We shall abide by the rules governing the project in case assistance is provided to me/us from M.P.S.B.B for the above project.
2. I/We shall be responsible for obtaining and compliance of all legal permissions required under any other law applicable in relation to execution of the project.
3. I/We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
4. The above PBR preparation project is not funded by any other agency and funding support on the same will not be sought from any other agency.
5. Full audited Utilization Certificate will be submitted at the end.
6. If I fail to comply with any of the above I shall be subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.


Dr. Naveen Kumar Verma
Assistant Professor
Department of Botany
Project Investigator
Government College Bichhua
Chhindwara (M.P.) 480111


Dr. Vaishali Gupta
Assistant Professor
Department of Botany
Co-Project Investigator
Government College Bichhua
Chhindwara (M.P.) 480111


Dr. R.P. Yadav
Principal
Name and Signature of
Government College Bichhua
Head of Organization
Chhindwara (M.P.) 480111
(Schools/ colleges)

Minor Research Project : Dr. Naveen Verma



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Affiliated to Raja Shankar Shah University, Chhindwara (M.P.) 480001

Program of commercial fish farming in Bichhua Tehsil, district Chhindwara, Madhya Pradesh, India

PROJECT PROPOSAL



**DEPARTMENT OF ZOOLOGY
GOVERNMENT COLLEGE BICHHUA, CHHINDWARA M.P.**

SUBMITTED BY

Dr. Naveen Kumar Chourasia

2020-21



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Mobile: +91 9425425968,



Email- hegcbicchh@mp.gov.in



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Established on 21/09/1989, Recognized under 2 (f) & 12 (B) of the UGC Act, 1956

Affiliated to Raja Shankar Shah University, Chhindwara (M.P.) 480001

Name(s) of the Applicant: Dr. Naveen Kumar Chourasia

Department (Full Address): Department of Zoology, Government College Bichhua
Chhindwara, M.P., India 480111

Title of Research Project: Program of commercial fish farming in Bichhua Tehsil, district
Chhindwara, Madhya Pradesh, India

Broad area/Field classification: Life Sciences

Period required for completion of Research Scheme: 1 year (2020-21)

INTRODUCTION

The recent adoption of Integrated Fish Farming Systems in South East Asian nations, including India, is a result of the recent growth in human population, the poor economic conditions of farmers, and the rising demand for fish. The fish catch in Madhya Pradesh is primarily sold fresh and not exposed to other forms of processing, which significantly strengthens the state's domestic marketing infrastructure, which is, nonetheless, mainly insufficient.

BACKGROUND OF THE STUDY

The fish ponds were built to provide fish for the neighbourhood, battle poverty, ignorance, and disease through enhancing locals' health. But, lack of funding made it difficult to achieve these goals and objectives. Money in everyone's pockets is the project's central premise. Priority issues include youth unemployment and a lack of essential services in Madhya Pradesh, India's Bichhua Tehsil, district Chhindwara. It is a sustainability initiative that will give young people, women, and other interested locals the tools and resources they need to fight poverty, enhance their quality of life and health, and feed their families, communities, and themselves.

PROBLEM STATEMENT

In Bichhua Tehsil, rural unemployed women and youth are struggling with poverty and environmental deterioration. Many people struggle to feed their family enough to prevent starvation. The food gap is likely to result from this (time taken for rice to mature and harvest). Men always head to wetlands to look for fish when it rains during the rainy season, contributing to the problem of starvation. So, allocating a small amount of funding for this kind of project might be considered as a solution for the majority of family issues.



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JUSTIFICATION

The availability of essential animal proteins as well as fish protein and other fish products are crucial components in the development of the brain. The only inexpensive source of animal protein that is free from calcification and cholesterol is fish. There is plenty of manual labour (unemployed youth) that will be used in excavation and masonry work to build additional fish ponds, and there are simple means of transport to the market. However, the lack of fish has reached an alarming level; when you visit the fish market, people are just lamenting when the refrigerated skeletal fish bones are on display.

MAIN OBJECTIVE

The overall goals are to protect the environment, show that fish farming is feasible, and support small-scale fish farmers with the long-term purpose of eradicating poverty and the scarcity of fresh fish. And to offer a way for the locals (youths and women without jobs) to sustain their own existence by getting access to basic amenities and becoming independent by selling their own seafood.

SPECIFIC OBJECTIVE

The specific objectives will encompass the following:

To successfully utilise fish pond aquaculture as a means of wetlands preservation.

By providing a cheap source of fish protein and utilising the potential small-scale fish farming locations, this initiative also aims to improve the nutrition of the local population and the surrounding towns.

EVALUATION PLAN

The Project Evaluator will be in charge of conducting the project evaluation, which will include both formative and summative evaluative procedures.

1. Formative Evaluation - The formative evaluation, which is mostly qualitative in nature, will be carried out using interviews and open-ended questionnaires. The local community and the associated fish farmers in the neighbourhood and district will be questioned about



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the project's daily operations in order to gather feedback for the project's ongoing operation improvement.

The Project Evaluator will frequently meet with the project team to present the results of the formative evaluation. The main conclusions of the formative evaluation and how they have been applied to enhance Project operation will be outlined in periodic reports.2.

Summative Assessment –

Mostly quantitative in nature, the summative evaluation will start with the creation of baseline data at the start of the Project (using a random sample of fish farmers to measure their improvement in knowledge of fish farming) and then be carried out at 6-month intervals.

Actions

- Engage the neighbourhood and experts; raise awareness of the project.
- Buying the baby fish (fish fingerlings) and fish food necessary to operate the fish pond.
- Buying the supplies needed to build the additional fish pond Building the entire project's components
- Putting fingerlings into ponds, feeding them, and carefully monitoring them Moving fish of various sizes to different ponds Expert monitoring of the pond water quality and final inspections
- Examine potential markets or customers with district fisheries officials, community leaders, youth, local residents, and organisations involved to get written promises to participate in any causes they support.

Benefits and Effects

The Fish Farming Project's anticipated outcomes include: Improved diets for fish farmers and their families as a result of access to higher-quality and more consistent sources of nutrition;

□ Introduce young people, women, and rural fish farmers who have not previously had access to credit or taken part in income-generating activities to the market and the commercial sector; provide these individuals with experience with credit, profit, and savings; and assist them in moving towards economic independence. Improve the standing of these farmers in their families, neighbourhoods, and communities. As they assume more



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responsibility outside the home, they will be better able to negotiate with family members about how to divide up household chores and serve as good role models for their kids in terms of innovation and hard work.

ENVIRONMENTAL IMPACT

Pond fish farming is environmentally friendly and won't have a negative impact on the swamp's ecosystem. Swamps will have unrestricted water flow. To control the aeration in the ponds, trees, plants, and flowers will be placed on the pavements. The fish operation won't produce a lot of waste; instead, it will be dumped in designated regions.

Details of manpower and equipment

Budget Estimate

Recurring: The component-wise break-up of cost of the project:

COMPONENT	Total Cost (Rs)
Construction	4000
Acquisition and stocking of ponds with fish	3000
Fish farming implementation	3000
Total Budge	10,000

Minor Research Project : Dr. Naveen Kumar Chourasia



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जैवविविधता प्रबंधन समिति जनपद पंचायत- छिन्दवाड़ा, जिला- छिन्दवाड़ा (म.प्र.) “Summary Report”



स्थानीय निकाय - जनपद पंचायत - छिन्दवाड़ा (म.प्र.)

सहयोग
मध्यप्रदेश राज्य जैवविविधता बोर्ड, भोपाल, (म.प्र.)
Madhya Pradesh State Biodiversity Board, Bhopal (M.P.)



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सारांश

जैव विविधता के संरक्षण, उसके अवयवों के पोषणीय उपयोग और जैव संसाधनों से सम्बंधित ज्ञान के उपयोग एवं लाभों को सुमचित बंटवारे के लिए भारत सरकार द्वारा जैव विविधता संरक्षण अधिनियम 2002 अधिसूचित किया गया। राज्य शासन द्वारा मध्य प्रदेश जैव विविधता नियम 2004 को अधिसूचित किये गए, जिसके अंतर्गत म. प्र. राज्य जैव विविधता बोर्ड का गठन किया गया। भारत शासन द्वारा पारित अधिनियम 2002 तथा मध्यप्रदेश जैव विविधता नियम 2004 में दिए गए निर्देशानुसार प्रदेश के समस्त जिलों में लोक जैव विविधता पंजी का निर्माण किया गया है। मध्य प्रदेश जैव विविधता, 2004 के नियम 23 के परिपालन में ग्राम सभा स्तर पर जैव विविधता प्रबंधन समिति ग्राम पंचायत छिन्दवाड़ा का गठन किया गया। इसी परिप्रेक्ष्य में छिन्दवाड़ा जनपद जो की 58 ग्राम पंचायत में फैला हुआ पी. बी. आर. (लोक जैव विविधता पंजी) के निर्माण का कार्य हमारे द्वारा संपन्न किया गया है।

छिन्दवाड़ा जनपद मध्य भारत का केंद्रीय पठार है जहा पर शुष्क पर्णपाती वन है जो 22° 3' 25.7868" उत्तर अक्षांश एवं 78° 56' 17.5272" पूर्व देशांतर में स्थित है जो कुल 627 वर्ग किलो मीटर फैला हुआ जिसका 579 वर्ग किलोमीटर ग्रामीण क्षेत्र तथा 47.20 वर्ग किलोमीटर शहरी क्षेत्र आता है। छिन्दवाड़ा जनपद आदिवासी बाहुल्य क्षेत्र है। मुख्य व्यवसाय के रूप में खेती, पशुपालन, विभिन्न प्रकार के व्यवसाय एवं शासकीय एवं अशासकीय नौकरी भी आती है। छिन्दवाड़ा जनपद के अंतर्गत 58 ग्राम पंचायत आती है जो बिजली, पानी एवं अन्य मुलभुत सुविधाओं से संपन्न है तथा सरकारी एवं गैर सरकारी शैक्षणिक संस्थान एवं उप स्वास्थ्य केंद्र है।

फीनिक्स एक्वेलिस जिसे सामान्य भाषा में छीन्द भी कहा जाता है पहले वो बहुतयात में पाया जाता था और ऐसा कहा जाता है कि इन्ही वृक्षों की प्रचुरता के कारण जिले का नाम छिन्दवाड़ा रखा गया है।

लोक जैवविविधता पंजी निर्माण कार्य के अंतर्गत प्राप्त जानकारीयों का संक्षिप्त विवरण निम्न है -

वानिकी जैव विविधता- छिन्दवाड़ा जनपद शुष्क पर्णपाती वृक्षों की अधिकता है, जिसमे मुख्यतः सागौन, पलाश, महुआ, बैर आम, नीम पीपल, शमी, पीपल, बरगद, तुलसी, केला, बबूल एवं आवंला हैं।

छिन्दवाड़ा एवं उसके आस पास के क्षेत्र में मक्के के खेती सर्वाधिक की जाती है, यहाँ का स्वीट कॉर्न उत्तम किस्म का है जिसे विदेशों में भी निर्यात किया जाता है इसलिए इसे कॉर्न सिटी भी कहा जाता है।

गेरुगा पिन्नाटा सामान्य भाषा में केकड़ का उपयोग घावों को ठीक करने के लिए किया जाता है, स्थानीयजनों के अनुसार यदि मुर्गे को काट कर इसके पत्तों से लपेटकर रख दिया जाये तो उसके घाव पुनः भर जाते है। भिलवा (सेमिकार्पस अनाकारडियम) का उपयोग अमिट स्याही बनाने में किया जाता है।

लताएँ- तेलपापड़, अनंतमूल, गूँज, रामदातून नरबोद, मालकांगनी, डीमरबेल



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झाड़ियाँ – निर्गुन्डी, लैंटाना, गोखरू, सीताफल, गुमची, बेर, झरबेडी

शाकीय पौधे – वन भिन्डी, सत्यानासी, चिरोटा

सांस्कृतिक महत्त्व के पौधे- शमी, पीपल, बरगद, तुलसी, केला एवं आवंला

व्यावसायिक पौधे - यहाँ पर भिलवा, महुआ, चिरोंजी, तेंदू, आम, जामुन, आँवला, बेर, हर्रा आदि वनोपज संगृहीत कर स्थानीय बाजारों में विक्रय किया जाता है साथ ही बड़े व्यावसायिकों द्वारा अन्य राज्यों में भेजी जाती है। यहाँ पर सब्जी वर्ग में आने वाली फसलों का उत्पादन, फलदार पौधों एवं फूलों का उत्पादन में पूर्व समय से वृद्धि हुयी है।

जलीय पौधे - सिंघाडा, कमल, ककड़ी, जलपरी भोजन के रूप में उपयोग किया जाता है।

औषधीय पौधे- नीम, तुलसी, गिलोय, अर्जुन, नीलगिरी, जामुन

जनपद क्षेत्र के जंगली जीव- नेवला, बन्दर, गिलहरी, सियार

जनपद क्षेत्र के सरीसृप – साँप, वर्षा ऋतु में छोटे छोटे साँप, धामन सर्प एवं दीवड भी पायी जाती है।

जनपद क्षेत्र के पक्षी - मैना, तोता, कोयल, कबूतर, बुलबुल

कृषि जैव विविधता के अंतर्गत रबी की फसलें- गेहूँ, चना, सरसों, उड़द, सोयाबीन, बटरा, अरहर

कृषि जैव विविधता के अंतर्गत खरीफ की फसलें- चावल, मक्का

फसलों के खरपतवार - टिड्डा, बेदी, माउ, उल्ली, गंगेरुआ, शंख, पडार

सब्जी वर्ग की फसलें - लौकी, आलू, टमाटर, प्याज, लहसुन, बैंगन

फूलों की खेती- गेंदा, गुलाब, जरबेरा

फलों की खेती - आम, नीम्बू, अमरुद, आँवला

पालतू पशु - गिर, साहीवाल, गावलाओ, जर्सी, होलोस्टीन

जलीय जैव विविधता के सर्वेक्षण में मत्स्य पालन के अंतर्गत पालतू मछलिया एवं प्राकृतिक स्रोतों से मछलियों का उत्पादन होता है।

पालतू मछलिया - कतला, रोहू, मृगल, सिल्वर कार्प, ग्रास कार्प, कॉमन कार्प, पेगस

जंगली मछलिया - टीलोपिया, मासकिटो, चेला बाकेला, पढ़ीन, कडु, मंगुर

जंगली जलीय जीव - केंकड़ा, झींगा

बाजार - शनिचरा, बैल बाजार



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भविष्य संभावनाएँ

जैवविविधता के संरक्षण एवं पारंपरिक ज्ञान के डाटा को संधारित्र करने की आवश्यकता है, भविष्य में इस तरह के संरक्षण एक निश्चित समय अंतराल में करते रहना होगा जिससे सतपुड़ा अंचल में बसे छिंदवाड़ा जिले के और भी डाटा का संरक्षित किया जा सके।

सुझाव

पंजी निर्माण के दौरान यह देखा गया कि बहुत सा पारंपरिक ज्ञान सही समय पर दर्ज नहीं करने के कारण विलुप्त हो गया है या जानकारी अधूरी है अतः एक निश्चित समय अंतराल में इस ज्ञान को संधारित्र करते रहना होगा।

महत्व

भारत पारंपरिक ज्ञान से समृद्ध देश है, वन्य आदिवासीजन्य मध्यप्रदेश में बहुलता से पाए जाते हैं। छिंदवाड़ा गोंड एवं भार्या आदिवासी बाहुल्य क्षेत्र है, जिनके पास पेड़-पौधों एवं जीवजन्तु से जुड़ा पारंपरिक ज्ञान है अतः लोकजैव विविधता पंजी उस दिशा में एक सराहनीय प्रयास है। आने वाली पीढ़ियों को यह ज्ञान एक धरोहर के रूप में प्राप्त होगा यही इस पंजी का महत्व है।

Minor Research Project : Dr. Naveen Verma



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Project Proposal

on

"Diversity of Dicotyledons of Chhindwara (M.P.)"

Project Period

Financial Year - 2020-21

Submitted to

Principal

(Dr. R.P. Yadav)

Government College Bichhua,
Chhindwara (M.P.) 480001

Submitted By

Dr. Naveen Kumar Verma

Co-project Investigator

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Government College Bichhua, Chhindwara (M.P.)
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Proposal of the Research Minor Project on

Diversity of Dicotyledons of Chhindwara (M.P.)

1. General Information

Title of the Project (Project Name)	Wild Plant Survey of Chhindwara District
Project Duration	1st January 2020 to 31st December 2020
Project Cost (Rs.)	10,000 (Annexure-3- Details of expenditure)
Executing Agency	Government College Bichhua, Chhindwara (M.P.) 480111 Telephone: 07162-259715 Fax: : 07162-259715 e-Mail: hegcbicbh@mp.gov.in
Name of Institute (School / College)	Government College Bichhua
Address of Institute	Government College Bichhua, Distt.- Chhindwara (M.P.) PIN 480111
Landline No (O)	+91-07162-259715
E-mail	hegcbicbh@mp.gov.in
Name of Project Investigator (PI)	Dr. Vaishali Gupta
Designation	Assistant Professor
Age	37
Sex	Female
Qualification	M.Sc. (Botany) M.Phil., Ph.D. SET (Life Science)
	Teaching Experience 5 Years
	Research Experience 07 Years
	Research Scholar
	Title of the Study Production of allelochemicals from waste water cyanobacteria and their effect of rice plants.
	Duration 16/07/2011 to 16/01/2018
Experience	Institute Department of Botany, Dr. Hari Singh Gour University, Sagar (M.P.) 470003
	Title of the Study Ethnobotanical survey of Balaghat Madhya Pradesh.
	Duration 01/03/2008 to 31/07/2009
	Institute Vinayaka Mission University Salem (Tamil Nadu)
Landline no (R)	+91 8989525488, 8840397091
Mobile No.	+91 8989525488, 8840397091
E-mail	vaishaligupta28@gmail.com
Name of Co Project Investigator (Co PI)	Dr. Naveen Kumar Verma
Name of Co Project Investigator	Assistant Professor (Botany)
Designation	
Age	42
Sex	Male
Qualification	M.Sc. (Botany), M.Ed. (Science), Ph.D., SET, GATE, JRF, SRF, NET
Experience Teaching Experience	15 Years
Research Experience	07 Years
Research	A Mycotaxonomic survey and study of the forest flora of Chhindwara (M.P.)
Title of the Study	



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Duration	10/12/2005 to 10/07/2012
Institute	Department of Botany, Dr. Hari Singh Gour University, Sagar (M.P.) 470003
Research Trainee	
Title of the Study	A Survey and Study Fungal Biodiversity from the Forest Flora of Madhya Pradesh
Duration	01/10/2006 to 01/10/2009
Institute	Department of Botany, Dr. Hari Singh Gour University, Sagar (M.P.) 470003
Research Scientist	Title of the Study; Study on Flora and Fauna of Runj Forest, Pawai Forest, Patne Forest and Panchamnagar Forest of Panna and Sagar Dist.
Duration	15/02/2012 to 30/01/2013
Address of PI	Government College Bichhua, Chhindwara, (M.P.) 480111
Landline no (R)	9300412044
Mobile No.	9300412044
E-mail	nkverma.mycology@gmail.com

2. Background of Project

Chhindwara is on the southwest region of the Satpura Range and diverse in flora and fauna diversity. The latitude of Chhindwara, Madhya Pradesh, India is 22.057163, and the longitude is 78.938202. Chhindwara, Madhya Pradesh, India is located at India country in the cities place category with the gps coordinates of 22° 3' 25.7868" N and 78° 56' 17.5272" E. Chhindwara has dense forest with rich diversity where herbs, shrubs, trees are growing wildly. These plants have various usage in different field and useful for ecosystem restoration. Theses wild plants need to document to preserve information

3. Objectives

The present study is being proposed with following specific objectives

1. To visit forest for data sampling.
2. To collect data with the help of photograph.
3. To gather all information from local peoples.

4. Methodology and Timeline

1. Different sites of Chhindwara will be selected according to their distribution and diversity.
2. Sites will be visited frequently at regular interval in the year 2020-21.
3. Photographs and all relevant information will be collected on the spot.



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4. The collected data will passed through classification, tabulation and analysis in meaning full interpretation and drawing meaningful conclusion

5. Expected expenditures

S.No.	Particular	Expenditure in (Rs.)	Total Exp. (Rs.)
1.	Collection of Secondary Data (Review of literature/Documents)		5,000.00
1.1	Travel and communication	5,000.00	
2.	Collection of Primary Data from Fields		5,000.00
2.1	Survey and data collection work- Individual farmer/respondent will be interviewed by research team at randomly selected villages (Transport & Travels)	5,000.00	
4.	Report preparation and compilation (Typing, data entry work printing and Submission of report)		10,000.00
4.1	Data compilation/computerization in excel sheet	2,000.00	
4.2	Typing and Printing work (First draft and Second draft)	5,000.00	
4.3	Others Expenses: Binding/Color photos/Pen drive/ Internet	3,000.00	
	Grand Total		20,000.00

6. Declaration

1. We shall be responsible for obtaining and compliance of all legal permissions required under any other law applicable in relation to execution of the project.
2. We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
3. The above project is not funded by any other agency and funding support on the same will not be sought from any other agency.



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4. Full audited Utilization Certificate will be submitted at the end.
5. If I fail to comply with any of the above, I shall be subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Co- project Investigator

Dr. Vaishali Gupta
Department of Botany,
Government College Bichhua,
Chhindwara (M.P.)

Project Investigator

Dr. Naveen K. Verma
Department of Botany, Government
College Bichhua, Chhindwara
(M.P.)

Minor Research Project : Dr. Vaishali Gupta & Dr. N. K. Verma



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YEAR 2019-20



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PROJECT PROPOSAL

2019~20

Title of Project

**The effect of climate change on the availability, access, and use
of medicinal plants in rural and tribal areas of Bichhua Tehsil,
district Chhindwara, Madhya Pradesh, India**

SUBMITTED TO

**GOVERNMENT COLLEGE BICHHUA CHHINDWARA
MADHYA PRADESH 480001**



SUBMITTED BY

**DR. KAVITA CHAHAL
ASSISTANT PROFESSOR, BOTANY**



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1. Name(s) of the Applicant(s): Dr. Kavita Chahal

2. Department (Full Address):

Department of Botany, Government College Bichhua Chhindwara, M.P., India 480111

3. Title of Research Project:

The effect of climate change on the availability, access, and use of medicinal plants in rural and tribal areas of Bichhua Tehsil, district Chhindwara, Madhya Pradesh, India

4. Broad area/Field classification: Life Sciences

5. Period required for completion of Research Scheme: 1 year (2019-20)

6. INTRODUCTION

One of the biggest threats to humanity and all other forms of life on Earth is climate change, which is becoming more widely acknowledged. Long-lasting droughts in dry and semi-arid areas, increasing flooding in mid- to high-latitude areas, an increase in extreme weather events, etc. are all signs of climate change.

7. BACKGROUND OF THE STUDY

UNFCCC refers to climate change as "the change in climate which is ascribed directly or indirectly to human activity that modifies the composition of the global atmosphere and in addition to natural climate variability is seen over a period of time".

The world's biological resources are still being pounded by climate change. There are a number of potential risks to plant species, ecosystems, and geographic ranges. A negative reaction, such as a reduction in species diversity, is anticipated.

8. STUDY AREA

East Forest Division, West Forest Division, and South Forest Division are the three forest divisions that make up the Chhindwara district. A survey will be conducted using a compartment number under the forest division. The majority of the tribal people live in the Chhindwara District. There are 147 villages in Bichhua Tehsil that are home to tribal communities like Gond, Pardhan, Bharia, and Korku.



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Plants that have chemicals that can be utilised for therapeutic reasons in one or more of their organs are known as medicinal plants. The majority of people rely on organic herbal treatments and medicines, which are made from medicinal plants, which are widespread around the world.

9. PROBLEM STATEMENT

The number of known uses for more than 30,000 plant species places medicinal plants at the top of the list. Impact of climate change leaves plant species with only three possibilities namely:

- Extinction
- Movement (in the form of a permanent range shift)

10. JUSTIFICATION

The majority of the world's population relied on medicinal plants to maintain their health before civilization even existed. Green medicinal herbs are preferred by most people since they are seen to be safer. Deforestation, floods, landslides, desertification, and soil erosion all pose constant threats to the availability, accessibility, and use of medicinal plants.

10. MAIN OBJECTIVE

The main objective of the study is to determine the **effect of climate change** on the availability, access, and **use of medicinal plants in rural and tribal areas** of district Chhindwara, Madhya Pradesh, India

11. SPECIFIC OBJECTIVE

The following specific goals will be covered:

- To ascertain the adaptation strategies used by tribal members in response to climate change.
- To ascertain whether medicinal plants are accessible, available, and used in the study region.
- To determine how medicinal plants affect people's livelihoods within the parameters of the study.

12. HYPOTHESIS

- Null Hypothesis: There is no relationship between climate change and the availability, access, and use of medicinal plants.



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- Alternative Hypothesis: There is a relationship between climate change and the availability, access, and use of medicinal plants.

13. METHODOLOGY

The quantitative, qualitative, and mixed approaches of research are the three most popular types.

Among the instruments used to collect data are

- questionnaires,
- group discussions,
- field observations, gathering plant samples, etc.
- Administration of structured and semi-structured questionnaires

14. DATA TYPES:

Information will be gathered both directly and indirectly to increase the precision of the outcomes.

There are two basic categories of sampling techniques: probability sampling techniques and non-probability sampling.

15. DETERMINATION OF SAMPLE SIZE

- ❖ A larger sample size reduces errors and ensures statistical precision.

$$E = z \frac{\sigma}{\sqrt{n}}$$

$$n = \left(\frac{z\sigma}{E} \right)^2$$

Where:

n is the size of the sample.

z is the standard normal value corresponding to the desired level of confidence .

σ is the population standard deviation

E is the maximum allowable error .



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The most recent SPSS programme will be used for all statistical studies.

A new variable (climate change) will be derived from the replies to the several Likert scale questions.

Climate change and the accessibility, use, and availability of therapeutic plants will be compared.

17. EXPECTED OUTCOME

1. Analyzing how climate change is affecting the range of medicinal plants in the research area.
2. The study will confirm the role that medicinal plants have in sustaining local residents' way of life.
3. It will be determined how the community members have adapted to the availability, accessibility, and use of therapeutic plants.

18. Details of manpower and equipment

Budget Estimate

Recurring: The component-wise break-up of cost of the project:

COMPONENT	Total Cost (Rs)
Consumables	3000
Travel Cost	5000
Contingency	2000
Total Budge	10,000

Name and Signature
 Project Investigator
 Date-
 Place -

Name and Signature of
 Head of Organization

Minor Research Project : Dr. Kavita Chahal



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Ecological study of faunal diversity of Guntara range of district Chhindwara, Madhya Pradesh, India

PROJECT PROPOSAL



**DEPARTMENT OF ZOOLOGY
GOVERNMENT COLLEGE BICHHUA, CHHINDWARA M.P.**

SUBMITTED BY

Dr. Naveen Kumar Chourasia

2019-20



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1. **Name(s) of the Applicant(s):** Dr. Naveen Kumar Chourasia
2. **Department (Full Address):** Department of Zoology, Government College Bichhua Chhindwara, M.P, India 480111
3. **Title of Research Project:** Ecological study of faunal diversity of Gumtara range of district Chhindwara, Madhya Pradesh, India
4. **Broad area/Field classification:** Life Sciences
5. **Period required for completion of Research Scheme:** 1 year (2019-20)

6. INTRODUCTION

Managing biodiversity is regarded as a challenging endeavour since it involves diversity at all scales, including genetic, species, and community. One step towards protecting the environment is the creation of a plan for managing biodiversity and protecting wildlife for a development project.

7. BACKGROUND OF THE STUDY

As a result, preventing further habitat destruction and degradation is one of the most effective and efficient ways to conserve biodiversity. Activities like agricultural expansion, road construction, urbanisation, and other mining activities are thought to be major threats to biodiversity and wildlife. The in-situ strategy, ex situ strategy, reducing anthropogenic pressure, and rehabilitation of endangered species are the four strategies necessary for the management of biodiversity.

8. PROBLEM STATEMENT

The most effective and efficient way to conserve biodiversity is to stop further habitat degradation and habitat loss, which are both human activities that are thought to pose serious threats to wildlife and biodiversity. These activities include road construction, urbanisation, agricultural expansion, and other mining activities.

MAIN OBJECTIVE

To examine how development-related activities and other climatic disturbances have affected the faunal diversity in district Chhindwara's rural and tribal areas.

9. HYPOTHESIS



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- Null Hypothesis: There is no relationship between development-related activities and other climatic disturbances and faunal diversity.
- Alternative Hypothesis: There is a relationship between development-related activities and other climatic disturbances and faunal diversity.

10. METHODOLOGY

The following elements will be researched in order to create a detailed report on the status of wildlife biodiversity in the 10 km study area (radial area) surrounding the proposed project's affected area, to evaluate the effects of construction and operational activity, and to develop suitable mitigation measures to protect and conserve wildlife biodiversity.

Bird distribution, habitat research (feeding, breeding, and roosting places), wildlife survey (diversity), rare and endangered species of fauna, and local characteristics of biodiversity in the study area are all included.

Methodology for Faunal Study

1. For sampling, a 1 km linear transect will be selected for each location.
2. The following techniques will be used to sample the animals along each transect throughout the course of 1.5 hours.
 - a. The typical "Pollard Walk" approach will be used to sample butterflies, and all the species will be daily documented.
 - b. In addition to taking pictures of them, voucher specimens of the species that were not able to be recognised in the field will be collected.
 - c. Point sampling will be used to collect bird samples along the established transect (footpaths). With the use of field guides and images, all bird species will be recognised after being spotted through binoculars.
 - d. A "direct count on open width (20 m) transect" will be employed to sample mammals. Also, details on current records of animals by the by the villagers and locals will be also collected. In case of reptiles mainly lizards will be sampled by 'direct count on open width transects'.

11. SAMPLING AND SAMPLING TECHNIQUES

Two main types of sampling techniques exist namely, probability sampling techniques and non-probability sampling.



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DETERMINATION OF SAMPLE SIZE

❖ A larger sample size reduces errors and ensures statistical precision.

$$E = z \frac{\sigma}{\sqrt{n}}$$

$$n = \left(\frac{z\sigma}{E} \right)^2$$

Where:

n is the size of the sample.

z is the standard normal value corresponding to the desired level of confidence.

σ is the population standard deviation

E is the maximum allowable error.

12. DATA ANALYSIS

All statistical analyses will be carried out using the latest version of SPSS software.

The responses from the individual **Likert scale questions** will be merged and a new variable (climate change) derived.

The relationship between the availability, access, and use of medicinal plants and climate change will be examined.

13. Details of manpower and equipment

Budget Estimate

Recurring: The component-wise break-up of cost of the project:

COMPONENT	Total Cost (Rs)
Consumables	3000
Travel Cost	4000
Contingency	3000
Total Budge	10,000

Minor Research Project : Dr. Naveen Kumar Chourasia



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बिछुआ प्रखंड के अनुसूचित जनजातियों पर बिरसा मुंडा के विचारों के प्रभाव का विश्लेषण

लघु शोध परियोजना हेतु प्रस्तुत शोध-प्रस्ताव



शासकीय महाविद्यालय बिछुआ,
राजा शंकर शाह विश्वविद्यालय, छिंदवाड़ा
(मध्य प्रदेश)

परियोजना खर्च : 10000 रु
अवधि : एक वर्ष

प्रस्तुतकर्ता

नीरज कुमार,
सहायक प्राध्यापक (राजनीति विज्ञान)
शासकीय महाविद्यालय बिछुआ

2020



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सामान्य जानकारी

- लघु शोध परियोजना का शीर्षक : 'बिछुआ प्रखंड के अनुसूचित जनजातियों पर बिरसा मुंडा के विचारों के प्रभाव का विश्लेषण'
- विषय : राजनीति विज्ञान
- लघु शोध परियोजना की अवधि : 1 वर्ष
- परियोजना खर्च : 10000 रु.
- मुख्य अन्वेषक (प्रस्तुतकर्ता) :
नाम – नीरज कुमार
लिंग – पुरुष
वर्ग – सामान्य
योग्यता – स्नातकोत्तर, नेट-जेआरएफ
पद – सहायक प्राध्यापक (राजनीति विज्ञान)
पता – राजनीति विज्ञान विभाग, शासकीय महाविद्यालय
बिछुआ, जिला- छिंदवाड़ा (मध्य प्रदेश)
निवास – बिछुआ, मोबाईल – 8789286679
- परियोजना क्षेत्र का विवरण :
सामुदायिक विकास प्रखंड- बिछुआ, अनुमंडल- चौरई, जिला- छिंदवाड़ा (मध्य प्रदेश)
- शिक्षण और शोध अनुभव :
शिक्षण अनुभव – स्नातकोत्तर 7 वर्ष, स्नातक 0 वर्ष
शोध अनुभव – दो शोध-पत्र प्रकाशित



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10. शोध-पद्धति:- यह लघु शोध परियोजना अन्वेषणात्मक प्रकृति का है। जिसमें आकड़ों को एकत्र करने की चुनौती होती है। इस लघु शोध परियोजना में वर्णनात्मक और पुस्तकालय पद्धति का प्रयोग किया जायेगा। प्राथमिक तथ्य सामग्री संकलन के लिए अवलोकन, साक्षात्कार और अनुसूची प्रणाली का इस्तेमाल होगा। द्वितीयक सामग्री पुस्तकों, शोध-पत्रों, पत्र-पत्रिकाओं, समाचार-पत्रों, रिपोर्ट, इंटरनेट आदि का सहारा लेकर संकलित किया जाएगा।

11. संदर्भ सूची:-

- आदिम मुंडा और उनका प्रदेश- शरत् चन्द्र राय
- बिरसा मुंडा और उनका आन्दोलन- कुमार सुरेश सिंह
- जनजातीय भारत- नदीम हसनैन
- आदिवासी दुनिया- हरिराम मीणा

वेबसाइट:-

- www.tribal.mp.gov.in
- www.tribl.nic.in
- www.bbchindi.com

12. फंड आहरण हेतु बैंक विवरण :

स्टेट बैंक ऑफ इंडिया, शाखा- बिछुआ (छिंदवाड़ा)
नीरज कुमार, खाता संख्या- 39175972149, आईएफएससी कोड-
SBIN0005924

13. अनुमानित खर्च :

पुस्तक और पत्र-पत्रिका - 5000 रु.



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क्षेत्र भ्रमण और यात्रा – 2500 रु.

टाइपिंग, प्रिंटिंग, बाइंडिंग और अन्य खर्च – 2500 रु.

कुल खर्च : 10000 रु.

Neeraj Kumar

प्रस्तुतकर्ता

नीरज कुमार

सहायक प्राध्यापक (राजनीति विज्ञान)

शासकीय महाविद्यालय बिछुआ,

छिंदवाड़ा (मध्य प्रदेश)

Minor Research Project : Dr. Neeraj Kumar



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Project Proposal on

**“पेंच राष्ट्रीय उद्यान के वन्य प्राणियों पर
बढ़ता संकट : एक पर्यावरणीय समस्या”**

Project Cost -

Rs 10,000

- Project Period -

(1 Year)

2019-2020

Submitted to

**Government College Bichhua,
District Chhindwara (M.P.)**

Submitted by

**Dr. Shahida Begam Mansuri
Assistant Professor,
Dept. of Geography
Government College Bichhua,
District Chhindwara (M.P.)**



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Project Proposal on

“पेंच राष्ट्रीय उद्यान के वन्य प्राणियों पर बढ़ता संकट : एक
पर्यावरणीय समस्या”

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Annexure - I

A. General Information

S.No.	Particular	Details
1	Title of the Project (Project Name)	“पंच राष्ट्रीय उद्यान के वन्य प्राणियों पर बढ़ता संकट : एक पर्यावरणीय समस्या”
2	Project Duration	1 Year
3	Project Cost (Rs.)	10,000
4	Executing Agency (Name of the Institute with full address, telephone, e-mail ID)	Government College Bichhua, District Chhindwara
4.1	Name of Institute	Government College Bichhua, District Chhindwara
4.2	Address of Institute	Bichhua
4.3	Landline No (O)	
4.4	E-mail	
5	Head of Institute (Details of Principal)	
5.1	Name of Principal	Dr. R.P. Yadava
5.2	Sex	Male
5.3	Qualification	Ph.D.
5.4	Experience	30 years
5.5	Address of Principal	Government College Bichhua
5.6	Landline No (R)	
5.7	Mobile No.	9425425968
6.	Name of Project Investigator (PI) (Teacher/Professor): (with address for correspondence including landline, mobile no. and e-mail address)	
6.1	Name of Project Investigator	Dr. Shahida Begam Mansuri
6.2	Designation	Assistant Professor
6.4	Sex	Female



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6.5	Qualification	Ph.D.
6.6	Experience	
6.7	Landline no (R)	
6.8	Mobile No.	
6.9	Email	
7.	Details of Project area- Janpad Panchayat (with address for Correspondence including landline, mobile no. and e-mail address)	Pench National Park
	Name of Janpad Panchayat and district	Biccuhua, Chhindwara
	Mobile No.	
	Email	
8.	Bank Details for disbursement of funds	
	Name of Bank	SBI
	Account Holder's Name	Shahida Begam Mansuri
	Account Number	39034361120
	Address of Bank	Bichhua
	IFSC CODE	SBIN0005924



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Annexure- II

B. Detailed Proposal

	Particular	Details
1.	Objective	<p>प्रस्तुत शोध कार्य के लिये निम्नलिखित उद्देश्यों को लिया गया है</p> <ol style="list-style-type: none"> 1. अध्ययन क्षेत्र की भौगोलिक स्थिति का अध्ययन करना तथा राष्ट्रीय उद्यान के वन्य-जीवों का अध्ययन करना। 2. राष्ट्रीय उद्यान के वन्य-जीवों पर पड़ने वाले प्रभावों का अध्ययन करना। वन्य-जीव संरक्षण के प्रयासों का अध्ययन एवं मूल्यांकन करना। 3. समीपस्थ निवासियों की अर्थव्यवस्था का अध्ययन करना। प्रभावित ग्रामों में विकासात्मक कार्यों का वर्णन करना। 4. पेंच राष्ट्रीय उद्यान में वन तथा वन्य-प्राणियों के विनाशकारी घटकों को ज्ञात करना।
2.	Project Area	Pench National Park
3.	Name of District	Chhindwara, Seoni
4.	Methodology and Timeline	
	Financial assistance (amount in Rs)	10,000



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Annexure- III

C. Detailed expenditure-

S.No	Particular	Expenditure in (Rs.)
1.	Collection of Secondary Data (Review of literature/Documents	1000
2.	Printing/Photocopy/Typing work/Binding/internet/pendrive	5000
3.	other work (Travel and communication)	1000
4.	Collection of Primary Data	500
5.	Other miscellaneous expenditure	500
	GRAND TOTAL	



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Annexure - IV

D. Declaration

1. I/We shall be responsible for obtaining and compliance of all legal permissions Required under any other law applicable in relation to execution of the project.
2. I/We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
3. Full audited Utilization Certificate will be submitted at the end.
4. f I fail to comply with any of the above I shall we subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Name and Signature
Project Investigator

Name and Signature of
Head of Organization

Date-
Place –

Minor Research Project : Dr. Shahida Begam Mansuri



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Project Proposal

on

"A Survey & Study of the medicinal Plants of Chhindwara (M.P.)"

Project Period

Financial Year – 2019-2020

Submitted to

Principal

(Dr. R.P. Yadav)
Government College Bichhua,
Chhindwara (M.P.) 480001

Submitted By

Dr. Naveen Kumar Verma
Co-project Investigator
A. Professor, Department of Botany,
Government College Bichhua, Chhindwara (M.P.)
Email: dr.vaishaligupta@mp.gov.in

Dr. Vaishali Gupta
Project Investigator
A. Professor, Department of Botany,
Government College Bichhua, Chhindwara (M.P.)
Email: dr.vaishaligupta@mp.gov.in

Minor Research Project : Dr. Vaishali Gupta & Naveen Kumar Verma



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Proposal of the Research Minor Project on

A Survey & Study of medicinal Plants of Chhindwara (M.P.)

1. General Information

Title of the Project	Ethnobotanical Survey of Chhindwara District	
Project Duration	1st January 2019 to 31st December 2019	
Project Cost (Rs.)	20,000	
Executing Department	Department of Botany, Government College Bichhua, Chhindwara (M.P.) 480111 Telephone: 07162-259715	
Name of Institute	Government College Bichhua	
Address of Institute	Government College Bichhua, Distt. - Chhindwara (M.P.) PIN 480111	
Landline No (O)	+91-07162-259715	
E-mail	hegcbicbh@mp.gov.in	
Name of Project Investigator (PI)	Dr. Vaishali Gupta	
Designation	Assistant Professor	
Qualification	M.Sc. (Botany) M.Phil., JRF, SRF, Ph.D., SET (Life Science)	
Experience	Teaching Experience	5 Years
	Research Experience	07 Years
	Research Scholar	
	Title of the Study	Production of allelochemicals from waste water cyanobacteria and their effect of rice plants.
	Duration	16/07/2011 to 16/01/2018
	Institute	Department of Botany, Dr. Hari Singh Gour University, Sagar (M.P.) 470003
	Title of the Study	Ethnobotanical survey of Balaghat, Madhya Pradesh.
	Duration	01/03/2008 to 31/07/2009
	Institute	VM University, Salem (Tamil Nadu)
Mobile No.	+91 8989525488, 8840397091	
E-mail	vaishaligupta28@gmail.com	
Name of Co Project Investigator	Dr. Naveen Kumar Verma	



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Designation	Assistant Professor (Botany)
Qualification	M.Sc. (Botany), M.Ed. (Science), SET, GATE, JRF, SRF, NET, Ph.D.,
Experience Teaching Experience	15 Years
Research Experience	07 Years
As a Research Scholar	
Research Title of the Study	A Mycotaxonomic survey and study of the forest flora of Chhindwara (M.P.)
Duration	10/12/2005 to 10/07/2012
Institute	Department of Botany, Dr. Hari Singh Gour Central University, Sagar (M.P.) 470003
As a Research Trainee	
Title of the Study	A Survey and Study Fungal Biodiversity from the Forest Flora of Madhya Pradesh
Duration	01/10/2006 to 01/10/2009
Institute	Department of Botany, Dr. Hari Singh Gour University, Sagar (M.P.) 470003
As a Research Scientist	
Title of the Study	Title of the Study; Study on Flora and Fauna of Runj Forest, Pawai Forest, Patne Forest and Panchamnagar Forest of Panna and Sagar Dist.
Duration	15/02/2012 to 30/01/2013
Address of PI	Government College Bichhua, Chhindwara, (M.P.) 480111
Mobile No.	9300412044
E-mail	nkverma.mycology@gmail.com

2. Background of Project

Chhindwara is on the southwest region of the Satpura Range and diverse in flora and fauna diversity. The latitude of Chhindwara, Madhya Pradesh, India is 22.057163, and the longitude is 78.938202. Chhindwara, Madhya Pradesh, India is located at India country in the cities place category with the GPS coordinates of 22° 3' 25.7868" N and 78° 56' 17.5272" E. It is on a plateau surrounded by lush green fields and dense forest with rich diversity. Plants which have immense medicinal quality are found abundantly in the forest. Medicinal knowledge of these plants is known by local tribal communities like Bharia, Gond, Pradhan Korku, which is valuable and irreplaceable. Now these days nature has been exploiting through anthropological activities, because of which important indigenous species is being lost. In order to preserve all medicinal plant related details, data base is prepared for the year 2019-20.



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3. Objectives

The present study is being proposed with following specific objectives.

1. To visit different gram panchayat for data sampling.
2. To collect photographs of medically important plants.
3. To gather all information related to medicinal plants.

4. Methodology and Timeline

1. Different sites of Chhindwara will be selected according to their distribution and diversity.
2. Sites will be visited frequently at regular intervals throughout the year 2019-20.
3. Photographs and all relevant information will be collected on the spot.
4. The collected data will be classified, tabulated, and analyzed in meaning full interpretation drawing meaningful conclusion.
5. Compilation of the research report.

5. Expected Outcomes

5. Expected expenditures

S.No.	Particular	Expenditure in (Rs.)	Total Expenditure (Rs.)
1.	Collection of Secondary Data (Review of literature/Documents)		5,000.00
1.1	Travel, Printing and communication	5,000.00	
2.	Collection of Primary Data from Fields		5,000.00
2.1	Survey at regular interval and data collection (Travels & Photography)	5,000.00	



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4.	Report preparation and compilation (Typing, data entry work printing and Submission of report)		15,000.00
4.1	Data compilation/computerization in excel sheet	2,000.00	
4.2	Typing and Printing work (First draft and Second draft)	5,000.00	
4.3	Final Research Report	5,000.00	
4.4	Others Expenses: Binding/Color photos/Pen drive/ Internet	3,000.00	
Grand Total			25,000.00


6. Declaration

1. We shall be responsible for obtaining and compliance of all legal permissions required under any other law applicable in relation to execution of the project.
2. We shall complete the project within stipulated period. If I/we fail to do so and if Board is not satisfied with progress of research project Board may terminate the project and ask for refund of amount received by me/us.
3. The above project is not funded by any other agency and funding support on the same will not be sought from any other agency.
4. Full audited Utilization Certificate will be submitted at the end.
5. If I fail to comply with any of the above, I shall be subject to prosecution under the relevant the section of the Act along with a ban from Government funding in future forever.

Co-project Investigator


Dr. Naveen K. Verma
Department of Botany,
Government College Bichhua,
Chhindwara (M.P.)

Project Investigator


Dr. Vaishali Gupta
Department of Botany,
Government College Bichhua,
Chhindwara (M.P.)

Minor Research Project : Dr. Vaishali Gupta & Dr. N. K. Verma