



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2017

**Sub: Submission of Proposal for Research Grant**  
**Ref: USTM/REG/R&D/2017/01 dated: 03/01/2017**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "A study of teacher effectiveness and secondary students: Academic achievement in Kamrup district, Assam" I request you kindly to go through the attached proposal (Format-I)  
I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

A handwritten signature in black ink, appearing to read 'munt'.

Dr. Kunjokusum Kakoti  
Professor,  
Department of Education,  
USTM

Forwarded by  
HOD  
Department of Qoumrul Hoque School of Education  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project** : A study of teacher effectiveness and secondary students: Academic achievement in Kamrup district, Assam
2. **Name of Investigator** : **Dr. Kunjokusum Kakoti**  
Professor, Dept. of Education
3. **Aim of the Research Proposal:**
4. **Project Type(s):**                      *Basic Research*  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal :**

### **A. Abstract :**

The present study was an attempt to know the effectiveness of special training intervention of out of school children of secondary schools in Kamrup (Metro) district as this study would be the first of its kind to be undertaken for the state. The present study was "Descriptive" in nature where sample was selected by adopting "Simple Random Sampling" technique. The Right to Education Act, 2009 is the milestone for ensuring receipt of free and compulsory elementary education by each child of the age group of 6 to 14 years of the country. Special Training is a critical and important component under this Act. The RTE Act, 2009 mandates that the children who have not attended the school or drop out before completion of elementary education should also have right to receive free and compulsory education and such children should be provided special training as per age and need to meet up the learning gap so that they may be at par with other children of the regular school after mainstreaming.

### **B. Details of state of the art in the research area**

Assam ranks low in education attainments, finishing 30th among 35 States and Union Territories in the composite Educational Development Index (EDI) in Upper and Lower Primary levels taken together for the year 2013-14 in the country. There are over 47,000 Primary Schools in Assam with 54, 32,053 children enrolled in 2015-16 and 1,06,646 children who were Out of School – roughly 1.9% of the total population of children in the age group of 6-14 years. During the year 2016-17, number of Out of School children of the State reduces to 78365.

In the state, studies on special training intervention for out of school children under RTE Act are in a nascent stage. The understanding on the provision of special training under RTE, Act by community, parents including teachers is still lacking. The need of such study has been justifiable and long been felt. The present investigation is an attempt to study the effectiveness of special training intervention of out of school children in Kamrup (Metro) district of Assam as this study would be the first of its kind to be undertaken for the state.

### **C. Details of any preliminary work done by the investigator: (Research publication of P.I. in the relevant topic, if any)**

Selection of sample for the population of the study comprises the Education Volunteers of Special Training Centres, Head Teachers of Neighborhood Schools, SMC Presidents of Neighborhood Schools and children of class-III & VI standard of Special Training Centres. The sample size has been framed out.

Selection of sample has been initiated from special training centres (both residential & non residential), neighborhood schools & SMCs of neighborhood schools of Kamrup (M) district of Assam.

Budget estimate for the project:

<b>SL. No.</b>	<b>Items</b>	<b>Items Amount (Rs.)</b>
<b>1.</b>	<b>Consumables (if any) (Not exceeding 20% of the total amount)</b>	<b>30,000/-</b>
<b>2.</b>	<b>Equipments/ Instrument</b>	<b>20,500/-</b>
<b>3.</b>	<b>Travel (Not exceeding 10% of the total amount)</b>	<b>35,000/-</b>
<b>4.</b>	<b>Survey/ Field work (if applicable)</b>	<b>30,000/-</b>
<b>5.</b>	<b>Other (specify) (Not exceed 10% of the total amount)</b>	
<b>6.</b>	<b>Contingency(Not exceed 20% of the total amount)</b>	<b>30,000/-</b>
<b>7.</b>	<b>Overhead (10%)</b>	<b>15,000/-</b>
	<b>Total</b>	<b>1,60,500/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

*Dr Kunjokusum Kakoti*  
Name and Signature of the Investigator:  
Date: 23/01/2017  
Place: USTM

*mmti*

*Forwarded by*

**HOD**  
Department of Goumrul Hoque School of Education  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2017/SM/09
2. Date of sanction: 23/02/2017
3. Title of research project: **A study of teacher effectiveness and secondary students: Academic achievement in Kamrup district, Assam**
4. Name and Dept. of the Principal Investigator: **Dr. Kunjokusum Kakoti, Department of Education**
5. Total Grant approved: **Rs. 1, 60,400/-**
6. Expenditure incurred during the period of the report: **Rs. 80,400/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work**  
(Give details of the papers, accepted /published in conference proceedings/journals)
    1. Selection of sample for the population of the study has been done
    2. Questionnaire with set parameters distributed and collected from responder for analysis of data
    3. Initial phase of data analysis is being carried out
  - (c) **Has the progress been according to original plan of work and towards achieving the objective? (Y/N): Y**
  - (d) **If not, state reasons briefly**
  - (e) **Enclose a summary of the findings of the study, if any**
  - (f) **Any other information**

Signature (PI)

Signature and Seal (HOD)

*Kunjokusum Kakoti* 25/06/2017

Forwarded by  
HOD  
Department of Qoumrul Hoque School of Education  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2017/SM/09
2.	Title of research project	A study of teacher effectiveness and secondary students: Academic achievement in Kamrup district, Assam
3.	Name of the Principal Investigator	Dr. Kunjokusum Kakoti
4.	Name the Department	Department of Education
5.	Date of sanction	23/02/2017
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1, 60,400
6.2	Total expenditure	Rs. 1, 60,000
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	separate sheet attached

Dr. Kunjokusum Kakoti  
Name and Signature of the Principal Investigator:  
Date: 04/03/2018  
Place: USTM

*Mumti*

*Forwarded by*

**HOD**

Department of Gournul Hoque School of Education  
University of Science and Technology Meghalaya

Format-V



**University of Science & Technology Meghalaya**  
Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

**UTILIZATION CERTIFICATE**

Certified that the grant of Rs1, 60,400 (Rupees *One Lakh Sixty Thousand Four Hunderd only*) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2017/SM/09 dated 23/02/2017 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr. Kunjekusum Kakoti*  
Name and Signature of the Investigator:

*mmti*

Date: *30/03/2018*  
Place *USTM*

*[Signature]*  
Finance Officer  
University of Science & Technology, Meghalaya  
Date: *30/03/2018*  
Place

*[Signature]*

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 21/01/2018

**Sub: Submission of Proposal for Research Grant**  
**Ref: USTM/REG/R&D/2018/01 dated: 03/01/2018**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled **"Impact and implication of RT-2009 development in primary education, Assam"** I request you kindly to go through the attached proposal (**Format-I**)  
I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Kunjokusum Kakoti  
Professor,  
Department of Education,  
USTM

Forwarded by  
HOD  
Department of Goumral Hoque School of Education  
USTM





# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project** : Impact and implication of RT-2009 development in primary education
2. **Name of Investigator** : **Dr. Kunjokusum Kakoti**  
Professor, Dept. of Education

3. **Aim of the Research Proposal:**

4. **Project Type(s):** *Basic Research*  
*Basic Research*  
*Applied Research*  
*Others:*

5. **Brief content of the proposal:**

**A. Abstract :**

The Right to Education Act, 2009 is the milestone for ensuring receipt of free and compulsory elementary education by each child of the age group of 6 to 14 years of the country. Special Training is a critical and important component under this Act. The RTE Act, 2009 mandates that the children who have not attended the school or drop out before completion of elementary education should also have right to receive free and compulsory education and such children should be provided special training as per age and need to meet up the learning gap so that they may be at par with other children of III & VI standard.

**B. Details of state of the art in the research area**

Assam ranks low in education attainments, finishing 30th among 35 States and Union Territories in the composite Educational Development Index (EDI) in Upper and Lower Primary levels taken together for the year 2013-14 in the country. There are over 47,000 Primary Schools in Assam with 54, 32,053 children enrolled in 2015-16 and 1,06,646 children who were Out of School – roughly 1.9% of the total population of children in the age group of 6-14 years. During the year 2016-17, number of Out of School children of the State reduces to 78365.

In the country, the Right of Children to Free and Compulsory Education (RTE) Act, 2009, represents the consequential legislation envisaged under Article 21-A, which indicates that every child has a right to receive equitable quality elementary education in a formal school. The Act stresses the words 'Free and Compulsory'. 'Free education' means that no child (other than a child admitted by parents in a non government school) will be liable to pay any kind of fees or charges or expenses for pursuing his/her education up-to elementary level. 'Compulsory Education' means to make elementary education compulsory (with regards to compulsory admission, attendance and completion of education by each child) for all children of the age group of 6-14 years<sup>11</sup>. The appropriate Government and local authorities are responsible for ensuring free and compulsory education by each child. In view of this, Government of India has formulated a rights based framework viz. RTE Act, 2009 with legal obligation to fulfil the fundamental right of children as envisages in the Article 21-A of the Constitution. The Act has also provisioned for Special Training to bring back to the Out of School Children (both never enrolled & drop out) in the formal schooling system.

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

Selection of sample for the population of the study comprises the Education Volunteers of Special Training Centres, Head Teachers of Neighborhood Schools, SMC Presidents of Neighborhood Schools and children of class-III & VI standard of Special Training Centres. The sample size has been framed out.

Selection of sample has been initiated from special training centres (both residential & non residential), neighborhood schools & SMCs of neighborhood schools of Kamrup (M) district of Assam.

**Publications:**

1. Attendance & Performance of Special Training Learners – a Study In Kamrup (Metro) District, Assam. Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 7 (ISSN-2349-5162)

Budget estimate for the project:

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	25,000/-
2.	Equipments/ Instrument	20,000/-
3.	Travel (Not exceeding 10% of the total amount)	35,000/-
4.	Survey/ Field work (if applicable)	25,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	

6.	Contingency(Not exceed 20% of the total amount)	25,000/-
7.	Overhead (10%)	15,000/-
	<b>Total</b>	<b>1,45,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr Kenjokusum Kakoti  
Name and Signature of the Investigator:

*Kenjokusum Kakoti*

Date: 21/01/2018

Place: USTM

*Forwarded by*

**HOD**

Department of Qomrul Hoque School of Education  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

**(Format for Six Month Progress Report to be submitted by the faculty)**

1. Project Reference No.: USTM/REG/R&D/2018/SM/14
2. Date of sanction: 23/02/2018
3. Title of research project: **Impact and implication of RT-2009 development in primary education, Assam**
4. Name and Dept. of the Principal Investigator: **Dr. Kunjokusum Kakoti, Department of Education**
5. Total Grant approved: **Rs. 1, 40,200/-**
6. Expenditure incurred during the period of the report: **Rs. 95,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:

**(a) Brief objective of the project**

1. To analyze the status of special training learners especially with reference to attendance, performance & mainstreaming in Kamrup(Metro) district
2. To find out the status of retention of mainstreamed children in formal school in Kamrup (Metro) district

**(b) Work done so far, results achieved. Publications, if any, resulting from the work**

(Give details of the papers, accepted /published in conference proceedings/journals)

1. Selection of sample has been initiated from special training centres (both residential & non residential), neighborhood schools & SMCs of neighborhood schools of Kamrup (M) district of Assam
2. Selection of sample for the population of the study comprises the Education Volunteers of Special Training Centres, Head Teachers of Neighborhood Schools, SMC Presidents of Neighborhood Schools and children of class-III & VI standard of Special Training Centres. The sample size has been framed out.

(c) Has the progress been according to original plan of work and towards achieving the objective? (Y/N): **Y**

(d) If not, state reasons briefly

(e) Enclose a summary of the findings of the study(If any)

(f) Any other information.

Signature (PI)

Signature and Seal (HOD)

*Forwarded by*

**HOD**

Department of Gourul Hoque School of Education  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2018/SM/14
2.	Title of research project	Impact and implication of RT-2009 development in primary education, Assam
3.	Name of the Principal Investigator	Dr. Kunjokusum Kakoti
4.	Name the Department	Department of Education
5.	Date of sanction	23/02/2018
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1, 42,700/-
6.2	Total expenditure	Rs. 1, 42,000/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

*Dr. Kunjokusum Kakoti*  
Name and Signature of the Principal Investigator:  
Date: 23/03/2018  
Place: USTM

*Mumtaz*

*Forwarded by*

**HOD**  
Department of Gourmul Hoque School of Education  
University of Science and Technology Meghalaya



## University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### UTILIZATION CERTIFICATE

Certified that the grant of Rs. 1, 42,700/- (Rupees *One Lakh Forty Two Thousand Seven Hunderd only*) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2018/SM/18 dated 23/02/2018 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr kunjokusum kakati*  
Name and Signature of the Investigator:

*mmti*

Date: *25/03/2019*  
Place USTM

*[Signature]*  
Finance Officer  
University of Science & Technology, Meghalaya  
Date: *25/03/2019*  
Place

*[Signature]*

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2015

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2015/1 dated: 03/01/2015**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*South bank erosion of the river Brahmaputra in Morigaon District, Assam*" I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Manash Nath  
Assistant Professor,  
Department of Earth Science,  
USTM

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project :** South bank erosion of the river Brahmaputra in Morigaon District, Assam
2. **Name of Investigator :** Dr. Manash Nath  
Assistant Professor, Dept. of Earth Science
3. **Aim of the Research Proposal:**
4. **Project Type(s):** Basic Research  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal (to be attached in separate sheet) :**

### A. Abstract :

River bank erosion in the Brahmaputra river of Assam is a serious problem. The bank line of Brahmaputra in Morigaon district is migrated southward through bank erosion. Therefore, a river bank erosion study in Morigaon district part of Brahmaputra River is carried out from 1970 to 2006 at 1:50,000 scale using satellite data. It can recognize high risk location and routing development activities away from the area vulnerable to river bank erosion and support planning and development

It may be mentioned that that the bank erosion is a severe problem in Morigaon district. During the forty years 64 revenue village is vanished in Brahmaputra River with high erodible bank materials, high seasonal rainfall and resultant flood event, formation of sand bars in north bank and channel bed, slope, and land use are considered as important causative factors to river bank erosion of the study area. Maps of erosion affected areas are identified and prepared in GIS environment. It will help in appropriate planning for stabilize of bank line and protect from river bank erosion

### B. Details of state of the art in the research area

Geographically district is located on 26°03'39.48" N to 26°31'23.61" N latitudes and 91°57'21.59" E to 92°34'15.48" E longitude covering an area of 1490.96 km<sup>2</sup>.



The bank line of Brahmaputra in Morigaon district is migrated gradually toward south through *south bank erosion*. River in Morigaon part is flow from 58 m to 53m BM at the distance of about 48.33 km. The general slope of south bank is 10.34 cm/km. The general slope of landscape is towards west from east and south of the district. In 2006, the bank line is shifted 5 - 10 km toward south of line in 1970-71. Due to Sediment deposits mostly in the north bank towards Darrang district and middle and right bed of Brahmaputra River and mainstream is migrated towards south every year through the bank erosion. There are 260 numbers of wetlands are form in the district. In summer, these wetlands are linked with streams and Brahmaputra River. Therefore, the bank line of river Brahmaputra tends towards south after each flood inundation and bank erosion

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

The bank erosion prone areas are identified properly. It is observed from primary data available from govt. source showed thatt 12.38 km<sup>2</sup> area covered by Brahmaputra river and riverine landform developed by the river especially sand bars locally known as char, chaporis and River Island etc during the survey, 1970-71 by SOI (Survey of India).

Maps of erosion affected areas are also identified and prepared in GIS environment as initial work.

6. Budget estimate for the project:

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	20,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	25,000/-
4.	Survey/ Field work (if applicable)	20,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	10,000/-
7.	Overhead (10%)	8,000/-
	<b>Total</b>	<b>83,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Name and Signature of the Investigator: 

Date: 23/01/2018

Place: USTM

Forwarded by  
Department of Earth Sciences  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2015/SM/16
2. Date of sanction: 21/02/2015
3. Title of research project: **South bank erosion of the river Brahmaputra in Morigaon District, Assam**
4. Name and Dept. of the Principal Investigator: **Dr. Manash Nath, Department of Earth Science**
5. Total Grant approved: **Rs. 80,000/-**
6. Expenditure incurred during the period of the report: **Rs. 55,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. The assessment of river bank erosion of Morigaon district will be carried out using high resolution satellite imagery and toposheet for identifying land loss area
    2. To investigate how the geospatial technology can implement for bank erosion affected area
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work**  
(Give details of the papers, accepted /published in conference proceedings/journals)
    1. The bank erosion prone areas are identified properly
    2. Maps of erosion affected areas are also identified and prepared in GIS environment
  - (c) **Has the progress been according to original plan of work and towards achieving the objective? (Y/N): Y**
  - (d) **If not, state reasons briefly**
  - (e) **Enclose a summary of the findings of the study, if any**
  - (f) **Any other information.**

A handwritten signature in blue ink, appearing to read 'M. Nath'.

Signature (PI)

Signature and Seal (HOD)

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2015/SM/16
2.	Title of research project	South bank erosion of the river Brahmaputra in Morigaon District, Assam
3.	Name of the Principal Investigator	Dr. Manash Nath
4.	Name the Department	Earth Science
5.	Date of sanction	21/02/2015
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 80,000/-
6.2	Total expenditure	Rs. 80,100/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

Dr. Manash Nath  
Name and Signature of the Principal Investigator:

Date: 20/03/2015

Place: USTM

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of **Rs. 80,000/- (Rupees Eighty Thousand only)** received from the University of Science & Technology under the scheme of research grant vide proposal reference No **USTM/REG/R&D/2015/SM/16** dated **21/02/2015** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr. Manash Nath*  
Name and Signature of the Investigator:

Date: *29/03/2016*  
Place *USTM*

A handwritten signature in blue ink, appearing to read 'Dr. Manash Nath'.

*[Signature]*  
Finance Officer  
University of Science & Technology, Meghalaya

Date: *29/03/2016*  
Place \_\_\_\_\_

*[Signature]*  
Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 25/01/2014

Sub: Submission of Proposal for Research Grant

Dear Sir,

With reference to the notification vide *Ref: USTM/REG/R&D/2014/1 dated: 03/01/2014*, I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project on "*The status of NRHM on quality health and development of Wokha District, Nagaland*" I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Manash Nath  
Assistant Professor,  
Department of Earth Science,  
USTM

*Forwarded by*  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project :** The status of NRHM on quality health and development of Wokha District, Nagaland
2. **Name of Investigator :** **Dr. Manash Nath**  
Assistant Professor, Dept. of Earth Science
3. **Aim of the Research Proposal:** To investigate the present status reflecting public health infrastructure and development of Wokha District, Nagaland on the basis of NRHM mission on the localities under survey.
4. **Project Type(s):** Basic Research  
*Basic Research*  
*Applied Research*  
*Others:*
5. Brief content of the proposal (to be attached in separate sheet) :

### A. Abstract :

The National Rural Health Mission (NRHM) in Nagaland was launched in Feb'06. Within the time span of these few years, the state has shown significant improvement in health care delivery both in terms of *physical infrastructure and service delivery output*. Taken the last facility surveys carried out in 2007 as the base line, during the current financial year reassessment of all the public health infrastructure were carried out. Household surveys and cluster survey were conducted throughout the state with the help of the Village Health Committees. This could be possible due to the existence of functioning Village Councils and very sound concept of *communitization*. Staff of health services department also assisted in the household surveys.

The findings of the surveys along with the HMIS data will be used for situational analysis and for proposing adequate interventions to be taken up in days to come. Based on the implementation of schemes of NRHM, Wokha district of Nagaland with population of more than 1.6 Lakh, 3 main township and 128 villages, the investigator will focus the survey on status of

NRHM on quality health and development of Wokha comprising parameters on **Transportation And Communication, Economy, Health Status**

**B. Details of state of the art in the research area**

Home of Lothas having a total geographical area of 1628 Sq. Km, accounting 9.82% of the total geographical area of the State, Wokha District is situated in the mid Western part of the Nagaland State. Wokha literally means Census in Lotha. It was a place where Lothas counted heads before spreading out into the villages during their waves of migration. The Wokha District is situated in the mid western part of Nagaland State, adjacent to Sibsagar plain of the Assam State. It is bounded by Mokokchung District in the North, Kohima District in the South, Zunheboto District in the East and the State of the Assam in the West. The Wokha District is situated at a latitude of 26° '8' North and a longitude of 94° '18' East.

The District is divided into three (3) ranges, which are as follows: –

1. Wokha Range or Upper Range, which falls in the upper North Eastern parts of the district.
2. Sanis Range or Middle Range, which covers the middle part of the district.
3. Bhandari Range or Lower Range is the outer most part of the district which extends from the Japukong range of Mokokchung District and gradually slopes down to the Assam plains in the North Western side. Two of the most fertile valleys are in this range and they are the Baghty and churung valleys.

The investigator will carry out the survey taking into consideration of *Infrastructure profile of Sample Areas* in the study under survey with special focus on Transportation and Communication, Economy, Health Status under NRHM scheme

**C. Details of any preliminary work done by the investigator:**

(Research publication of P.I. in the relevant topic, if any)

Initial study on literature of the reports, report on NRHM has been carried. Primary sources of data have been study in the direction of the survey to be carried out.

***Publications:***

1. Prioritizing areas for malaria control using geographical information system in Sonitpur district, Assam, India, Public Health 127 (6), 572-578

2. Malaria risk areas of Udalguri district of Assam, India: a GIS-based study International Journal of Geographical Information Science 26 (1), 123-131

**6. Budget estimate for the project:**

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	8,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	25,000/-
4.	Survey/ Field work (if applicable)	30,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	5,000/-
7.	Overhead (10%)	7,500/-
	<b>Total</b>	<b>75,500/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr. Manash Nath  
Name and Signature of the Investigator: 

Date: 25/01/2019

Place: USY

*ForWARDED BY*

**HOD**  
**Department of Earth Sciences**  
**University of Science and Technology Meghalaya**





## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2014/SM/18
2. Date of sanction: 23/02/2014
3. Title of research project: *The status of NRHM on quality health and development of Wokha District, Nagaland*
4. Name and Dept. of the Principal Investigator: **Dr. Manash Nath, Department of Sociology**
5. Total Grant approved: **Rs. 75,000**
6. Expenditure incurred during the period of the report: **Rs. 50,000 (Period: April-August)**
7. Report of the work done. Please attach a separate sheet containing the following details:

(a) **Brief objective of the project**

1. *To study quality health and development of Wokha District, Nagaland under NRHM scheme*
2. *Analysis data obtained from respondents using statistical method*
3. *Comparing the analysis with set parameters covering Transportation and Communication, Economy, Health Status*

(b) **Work done so far, results achieved.** Publications, if any, resulting from the work

1. *Field survey carried out*
2. *Collected of data in the form of questionnaire from responders*
3. *Initialization of data analysis*

(Give details of the papers, accepted /published in conference proceedings/journals, if any)

(c) **Has the progress been according to original plan of work and towards achieving? the objective? (Y/N): Y**

(d) If not, state reasons briefly

(e) Enclose a summary of the findings of the study, if any

(f) Any other information.

Signature (PI)

Signature and Seal (HOD)

*Forwarded by*  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2014/SM/19
2.	Title of research project	Socio- economic status of Viswama village in Kohima district of Nagaland
3.	Name of the Principal Investigator	Dr. Manash Nath
4.	Name the Department	Department of Sarth Science
5.	Date of sanction	23/02/2014
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 75,000/-
6.2	Total expenditure	Rs. 74,820/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	<i>Separate sheet attached.</i>

Dr. Manash Nath  
Name and Signature of the Principal Investigator:

Date: 26/03/2015

Place: USTM

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



**University of Science & Technology Meghalaya**  
Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

**UTILIZATION CERTIFICATE**

Certified that the grant of Rs 80,000/- (Rupees Eighty Thousand only) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2014/SM/18 dated 23/02/2014 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Dr. Manoj Nath  
Name and Signature of the Investigator:

Handwritten signature of Dr. Manoj Nath in blue ink.

Date: 27/03/2015  
Place USTM

Handwritten signature of the Finance Officer in blue ink.

Finance Officer  
University of Science & Technology, Meghalaya

Date: 28/08/2015  
Place

Handwritten signature of the Registrar in blue ink.

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2014

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2014/1 dated:03/01/2014**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*Traffic prospects: A smart city approach for Guwahati city*" I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Manash Nath  
Assistant Professor,  
Department of Earth Science,  
USTM

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project** : Traffic prospects: A smart city approach for Guwahati city
2. **Name of Investigator** : **Dr. Manash Nath**  
Assistant Professor, Dept. of Earth Science
3. **Aim of the Research Proposal**: To investigate Problems and Prospects of Development in Guwahati, in terms of its traffic focusing on smart city approach for Guwahati city.
4. **Project Type(s)**: Basic Research  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal** :

### A. Abstract :

Guwahati is recognized to be the most critical city in the North East India. The city has a well-developed connectivity with the rest of the country and acts as the gateway to the entire Northeastern India. Hence, the development of the city is not only crucial to the state of Assam but also to the entire North East. The study will mainly focus with the issues and challenges related with development of Guwahati city as a smart city identified on the basis traffic perspective of the study conducted on different areas using descriptive survey method and observation method.

### B. Details of state of the art in the research area

In order to deal with rapid urbanization and related urban issues, the State Government prepared a Master Plan for Greater Guwahati in 1965 under Section 10 of the Assam Town and Country Planning Act, 1959. The Plan had perspective 1986. The Modified Final Master Plan and Zoning Regulations for Guwahati was prepared by the Town and Country Planning Organization in exercise of the powers under section 14 and

sub-section (2) of section 10 of the Assam Town and Country Planning Act and published the same in February 1987. The Master Plan was finally entrusted to the Guwahati Metropolitan Development Authority (which was constituted under Guwahati Metropolitan Development Authority Act 1985) for implementation of the Plan with Perspective 2001. The plan is subsequently revised with perspective 2025 under the GMDA Act, 1985. Guwahati is at the junction of National Highway 31, National Highway 37 and National Highway 40. National Highway 31 connects Guwahati to the rest of the country in the west, while other National and State Highways connect Guwahati city with North-Eastern States of Tripura, Meghalaya, Mizoram, Manipur, Nagaland and Arunachal Pradesh. The city has a well-developed connectivity with the rest of the country. The city acts as the gateway to the north-east region providing connectivity with Shillong, Mizoram and southern parts of Assam. The National Highway 31 connects the city with Bongaigaon, Dhuburi and enters West Bengal in the west. All the census towns and other important areas are located on or along the National Highways 31 and 37

The Smart city plan envisions to establish itself as a Regional Hub for the North East India and a World Class Guwahati City by anchoring and reorienting the city towards its natural assets. The varied topographical features like the Brahmaputra River, the hills, the water streams and internationally acclaimed Ramsar Wetland site of "Deepar Beel" will be utilized as an anchor for development in the city, which will further strengthen city's vision of being the- economic, education, health & IT- capital of North East region of India.

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

Initial study on survey and report on Smart City Mission, Ministry of Housing and Urban affairs, Govt. of India, Guwahati development authority, Guwahati smart City limited has been carried out. Existing data from government sources (primary data) has been surveyed in the direction towards achieving the target of study.

**Publication:**

1. Prioritizing areas for malaria control using geographical information system in Sonitpur district, Assam, India, Public Health 127 (6), 572-578

6. Budget estimate for the project:

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	10,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	25,000/-
4.	Survey/ Field work (if applicable)	25,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	7,000/-
7.	Overhead (10%)	7,000/-
	<b>Total</b>	<b>74,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr. Manish Nath  
Name and Signature of the Investigator:



Date: 23/01/2014

Place: USTM

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2014/SM/11
2. Date of sanction: 2 1/02/2014
3. Title of research project: *Traffic prospects: A smart city approach for Guwahati city*
4. Name and Dept. of the Principal Investigator: **Dr. Manash Nath, Department of Sociology**
5. Total Grant approved: **Rs. 70,000/-**
6. Expenditure incurred during the period of the report: **Rs. 45,000/- (Period: April-August)**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. To study different issues and challenges related with development of Guwahati city as a smart city identified on the basis traffic perspective
    2. Analysis data obtained from study statistical method
    3. Comparing the analysis with set parameters covering traffic plan and projects
  - (b) **Work done so far, results achieved.** Publications, if any, resulting from the work
    1. *Field survey carried out in selected location within the city*
    2. *Collected of data in with set parameters*
    3. *Initialization of data analysis*

(Give details of the papers, accepted /published in conference proceedings/journals, if any)

  - (c) **Has the progress been according to original plan of work and towards achieving? the objective? (Y/N): Y**
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if nay
  - (f) Any other information.

Signature (PI)  
Signature and Seal (HOD)

Forwarded by  
HOD  
Department of Earth Sciences  
University of Science and Technology Meghalaya





## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2014/SM/11
2.	Title of research project	<i>Traffic prospects: A smart city approach for Guwahati city</i>
3.	Name of the Principal Investigator	Dr. Manash Nath
4.	Name the Department	Department of Sarth Science
5.	Date of sanction	21/02/2014
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 70,000/-
6.2	Total expenditure	Rs. 69,600/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	<i>Separate sheet attached.</i>

Name and Signature of the Principal Investigator:

Date:

Place:

*Dr. Manash Nath*  
27/08/2015  
USTM

*Manash Nath*  
Forwarded by  
Department of Earth Sciences  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of Rs 70,000/- (*Rupees Seventy Thousand only*) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2014/SM/11 dated 21/02/2014 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr. Manoj Nar*  
Name and Signature of the Investigator:

A handwritten signature in blue ink, appearing to read 'Manoj Nar'.

Date: 28/03/2015  
Place USTM

Finance Officer

Finance Officer  
University of Science & Technology, Meghalaya

Date: 28/03/2015  
Place

A handwritten signature in blue ink, appearing to read 'A. S.'.

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 25/01/2014

Sub: Submission of Proposal for Research Grant  
Ref: USTM/REG/R&D/2014/1 dated:03/01/2014


Dear Sir,

I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, under the research policy of the University, which is for enhancing the thrust of research on "*Socio- economic status of Viswama village in Kohima district of Nagaland*" I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

  
Dr. (Md) Maqbul Ali  
Assistant Professor,  
Department of Sociology,  
USTM

*Forwarded by*  
**HOD**  
Department of Sociology  
University of Science and Technology Meghalaya

**Format-I**



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project** : *Socio- economic status of Viswama village in Kohima district of Nagaland*
2. **Name of Investigator** : **Dr. (Md)Maqbul Ali**  
Assistant Professor, Dept. of Sociology
3. **Aim of the Research Proposal**: To investigate the different aspect reflecting economic status of the villagers of Viswama village in Kohima district of Nagaland and its direct effect relied on social impact with key parameters under study.
4. **Project Type(s)**: Basic Research  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal:**

### A. Abstract :

Nagaland is basically a land of villages and Naga traditional life revolves around a village. A village is traditionally the highest political unit and is primarily based on institution of 'Clans' and 'Khels' in Nagaland. The unique features of a Naga village consist of family, clan and community. More than two-thirds of the population lives in rural villages. Therefore, the economy of the State is based on *rural economy*, which largely depends on primitive type of cultivation. The investigation will examine the socio-economic development of Nagaland in general and of Viswama village in Kohima district in particular as the selected area is for sample survey in the present study.

### B. Details of state of the art in the research area

Viswema is a Southern Angami Naga village located 22 km south of Kohima, the capital of Nagaland, India. With a resident population of 7417, it is the second biggest village in the state and is part of the contiguous built-up of the Kohima metropolitan area that extends into the neighboring areas of Jakhama, Kigwema and Khuzama in the Southern Angami region, forming the second largest urban agglomerations in Nagaland. Its vast territory also lies across the inter-

state boundary in Manipur where notable features including Mount Tempü(Iso) at 9822 feet (2994m) also the highest peak in Manipur, the thick forest of Kezol-tsa and a major portion of the Dzüko Valley is located.

It is considered to be one of the oldest Tenyimi village with most Chakhesang villages and also many other Angami villages pointing their origin towards Viswema.

The investigator will highlight on various parameters such as *Demographic Characteristics, Educational Profile, Occupation of Household Heads, Gender-wise of Household Heads, Infrastructure profile of Sample Areas* in the study under survey.

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

Field survey of area under investigation is being done as imitilialization of the study.

**Publication:**

1. *Pangal Women: Social Challenges and Education* IOSR Journal Of Humanities And Social Science (IOSR-JHSS) Volume 9, Issue 4 (Mar. - Apr. 2013), PP 39-42 e-ISSN: 2279-0837, p-ISSN: 2279-0845. www.iosrjournals.org

6. Budget estimate for the project:

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	10,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	25,000/-
4.	Survey/ Field work (if applicable)	30,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	7,000/-
7.	Overhead (10%)	8,000/-
	<b>Total</b>	<b>80,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr (Md.) Magbul Ali  
Name and Signature of the Investigator:

Date: 25/01/2014

Place: USTM

*Magbul Ali*

Forwarded by

HOD  
Department of Sociology  
University of Science and Technology, Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2014/SM/09
2. Date of sanction: 16/02/2014
3. Title of research project: **Socio- economic status of Viswama village in Kohima district of Nagaland**
4. Name and Dept. of the Principal Investigator: **Dr. (Md) Maqbul Ali, Department of Sociology**
5. Total Grant approved: **Rs. 80,000/-**
6. Expenditure incurred during the period of the report: **Rs. 52,000/- (Period: April-August)**
7. Report of the work done. Please attach a separate sheet containing the following details:

(a) **Brief objective of the project**

1. *To study Demographic Characteristics, Educational Profile, Occupation of Household Heads, Gender-wise of Household Heads, Infrastructure profile of area under investigation*
2. *Analysis of secondary data using statistical method*
3. *Outcome of (1 &2) in relation to socio economic status of villagers under study.*

(b) **Work done so far, results achieved.** Publications, if any, resulting from the work (Give details of the papers, accepted /published in conference proceedings/journals, if any)

1. *Field survey carried out*
2. *Set of questionnaire distributed and collected from responders*
3. *Initialization of data analysis*

(c) **Has the progress been according to original plan of work and towards achieving? the objective? (Y/N): Y**

- (d) If not, state reasons briefly
- (e) Enclose a summary of the findings of the study, if any
- (f) Any other information.

  
Signature (PI)

Signature and Seal (HOD)

*Forwarded by HOD*  
Department of Sociology  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2014/SM/09
2.	Title of research project	Socio- economic status of Viswama village in Kohima district of Nagaland
3.	Name of the Principal Investigator	Dr. (Md) Maqbul Ali
4.	Name the Department	Department of Sociology
5.	Date of sanction	16/02/2014
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 80,000/-
6.2	Total expenditure	Rs. 78,220/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	<i>Separate sheet attached.</i>

*Dr. (Md.) Maqbul Ali*

Name and Signature of the Principal Investigator:

Date: 19/3/2015

Place: USTM

HOD *Forwarded by*  
Department of Sociology  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of Rs 80,000/- (Rupees Eighty Thousand only) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2014/SM/17 dated 16/02/2014 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr (Md.) Masbul Ali*  
Name and Signature of the Investigator:

Date: *29/3/2015*  
Place: *USTM*

*[Signature]*  
Finance Officer  
University of Science & Technology, Meghalaya  
Date: *28/03/2015*  
Place:

*[Signature]*  
Registrar  
University of Science & Technology,  
Meghalaya





# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 22/01/2017

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2017/15 dated: 03/01/2017**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "Educational Status of Jhorbil Villagers in Ri Bhoi District, Meghalaya" I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

A handwritten signature in black ink, appearing to be 'Nabarun'.

Dr. Nabarun Purkayastha  
Assistant Professor,  
Department of Sociology,  
USTM

Forwarded by

**HOD**  
**Department of Sociology**  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project** : Educational Status of Jhorbil Villagers in Ri Bhoi District, Meghalaya
2. **Name of Investigator** : **Dr. Nabarun Purkayastha**  
Assistant Professor, Dept. of Sociology
3. **Aim of the Research Proposal:**
4. **Project Type(s):**  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal:**

### **A. Abstract :**

Education has been passing through a cross-fire of conflicting aims from the immemorial. In ancient time education should only perform the traditional functions of advancing scholarship, polishing personality and building character. But the modern educationists, laying emphasis on the utilitarian aspect of education, insist that education should be job-oriented, need-based and production-entered. Each society makes arrangement of education according to its beliefs and needs and society's beliefs and needs depend upon its geographical, socio-cultural and economic conditions. The study mainly focuses on educational condition of people of Jhorbil Villagers in RiBhoi District, Meghalaya. Both primary and secondary data are used for the study

### **B. Details of state of the art in the research area**

Education is a broad concept and it is a process of facilitating learning. Knowledge, skills, values, beliefs, and habits of a group of people are transferred to other people, through storytelling, discussion, teaching, training, or research. Education

frequently takes place under the guidance of educators, but learners may also educate themselves in a process called autodidactic learning. Any experience that has a formative effect on the way one thinks, feels, or acts may be considered educational. Education is commonly and formally divided into stages such as preschool, primary school, secondary school and then college, university or apprenticeship. The methodology of teaching is called pedagogy. Education is a right, like the right to have proper food or a roof over our head. Article 26 of the 1948 Universal Declaration of Human Rights states that "everyone has the right to education". Education is crucial to all the overall development of an individual as well as the society at large. Education is an important tool that is applied in the contemporary world to succeed, as it mitigates the challenges which are faced in life. The knowledge gain through education enables individual's potential to achieve prospects in career growth. The importance of education for the development of a country must not be underestimated because education is a tool which alone can inculcate national and cultural values and liberate people of false prejudice, ignorance and representation. Just as a face is the mirror to the heart of a person, level of education reflects the status of a nation.

The life of people in a society is affected by its geographical location. So it is natural for its education to be affected by it. The societies of which geographical location is such that individual has to bitterly struggle for protection of life, in them most people have neither time nor money for education. They have no system of mass education and the scope of education is limited too. In absence of formal educational system, most of the tribes in India have their own traditional institutions for educational purposes which later to the needs of their culture. *These institutions provide education in the realm of social norms and customs, traditions and culture, behaviour pattern and the laws of society, totems and taboos and ethics and religion of the society.* "Education among the tribe is usually imparted through the family, which is being the smallest and primary unit of the social organisation, Education is imparted by imitation and association and at some place through the imitation rites and subsequent discipline. Education is the interaction between individual and society. Education does not proceed in vacuum; its character is determined by the group culture and schools, institutions created by the society to attain certain specific ends". Does it is easy to point out that since education is something that takes place in the society, for the society and by the society, the changing nature of cultural aspect is vital. If education is creative force it must make some initiative and responsibility for social progress. If the education is to be dynamic, it must reflect the social growth. The social movements make changes in educational provision, methods, administration and curricula imperative. Thus, one can see that education and society are inter-linked. *The study mainly highlighted the educational condition of people of Jhorbil Villagers in RiBhoi District, Meghalaya.*

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

Preliminary study of status of people the area under study and pilot survey has been carried out.

**Publication:**

1. Concept Of Indian Tribes: An Overview, International Journal of Advanced Research in Management and Social Sciences, Vol. 5, No. 2, February 2016 (ISSN: 2278-6236)

**6. Budget estimate for the project:**

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	30,000/-
2.	Equipments/ Instrument	20,000/-
3.	Travel (Not exceeding 10% of the total amount)	35,000/-
4.	Survey/ Field work (if applicable)	30,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	20,000/-
7.	Overhead (10%)	15,000/-
	<b>Total</b>	<b>1,50,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr. Nabarun Purkayastha  
Name and Signature of the Investigator:  
Date: 21/01/2017  
Place: USTM

*Am.*

Forwarded by  
HOD  
Department of Sociology  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2017/SM/15
2. Date of sanction: 16/02/2017
3. Title of research project: **Educational Status of Jhorbil Villagers in Ri Bhoi District, Meghalaya**
4. Name and Dept. of the Principal Investigator: **Dr. Nabarun Purkayastha, Department of Sociology**
5. Total Grant approved: **Rs. 1,46,300/-**
6. Expenditure incurred during the period of the report: **Rs. 52,000 (Period: April-August)**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. *The study the educational condition of people of Jhorbil Villagers in RiBhoi District, Meghalaya*
    2. *To enhance changes in educational provision, methods, administration and curricula imperative in the direction for implementation in the area under study*
  - (b) **Work done so far, results achieved.** Publications, if any, resulting from the work (Give details of the papers, accepted /published in conference proceedings/journals, if any)
    1. *Field survey carried out*
    2. *Set of questionnaire distributed and collected from responders*
    3. *Initialization of data analysis*
  - (c) **Has the progress been according to original plan of work and towards achieving? the objective? (Y/N): Y**
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if any
  - (f) Any other information.

  
Signature (PI)  
Signature and Seal (HOD)

*Forwarded by*  
HOD  
Department of Sociology  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2017/SM/15
2.	Title of research project	Educational Status of Jhorbil Villagers in Ri Bhoi District, Meghalaya
3.	Name of the Principal Investigator	Dr. Nabarun Purkayastha
4.	Name the Department	Department of Sociology
5.	Date of sanction	16/02/2017
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1,46,630/-
6.2	Total expenditure	Rs. 1,46,200/-
7.	<p><b>Report of the work done:</b>  <b>(Please attach a separate sheet)</b>  <b>A: Brief objective of the project:</b>  <b>B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals)</b>  <b>C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons</b></p>	<i>Separate sheet attached.</i>

Dr. Nabarun Purkayastha  
 Name and Signature of the Principal Investigator:  
 Date: 19/3/18  
 Place: USTM

*Am.*  
 Forwarded by  
 HOD  
 Department of Sociology  
 University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of 1,46,630/- (Rupees *One Lakh Forty Six Thousand Six Hundred Thirty* only) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2017/SM/15 dated 16/02/2017 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr. Nabakum Pustkaryashka*  
Name and Signature of the Investigator:

Date: 24/3/18  
Place USTM

A handwritten signature in blue ink, appearing to be 'N. Pustkaryashka'.

*[Signature]*  
Finance Officer  
University of Science & Technology, Meghalaya  
Date: 24/03/2019  
Place

*[Signature]*  
Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2016

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2016/1 dated: 03/01/2016**

Dear Madam,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*Training of Mashroom cultivation*" I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Papiya Dutta  
Assistant Professor,  
Department of Rural Development,  
USTM

Forwarded by  
HOD  
Department of Rural Development  
University of Science and Technology Meghalaya





# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project :** Training of Mushroom cultivation
2. **Name of Investigator:** **Dr. Papiya Dutta**  
Assistant Professor, Dept. of Rural Development
3. **Aim of the Research Proposal:** 1. To provide hands on training to the selected beneficiaries.  
2. To distribute the inputs to the trainee as and when required.  
3. To channelise the marketing of the final product.
4. **Project Type(s):** *Applied Research*  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal (to be attached in separate sheet) :**

### A. Abstract :

*Mushrooms are one of the types of fungi that are cherished not only for the flavour but also for high nutritional value. This is the reason why mushroom farming is gaining popularity day by day as one of the budding entrepreneurship. They are cultivated with specifically propagated spawns on a well prepared compost. In the backdrop of demand in the market and ease of farming, the project proposed to train the selected beneficiaries of the villages in the vicinity of the university.*

### B. Details of state of the art in the research area

Mushroom cultivation business will be promoted using seminars and briefing sessions. The Small holder farmers and unemployed youths

and housewives will be given the priority while selecting. Training (Lecture and hands on practical) will be delivered to the selected outgrowers. The spawned bags will be supplied to outgrowers depending on the demand. The fresh mushrooms will be collected from growers and mushrooms will be marketed to supermarkets, hotels and different local outlets.

**C. Details of any preliminary work done by the investigator:**

A Socio economic survey along with the questions whether the targeted groups are interested or not was carried out.

**6. Budget estimate for the project:**

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	40,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	30,000/-
4.	Survey/ Field work (if applicable)	36,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	35,000/-
7.	Overhead (10%)	15,000/-
	<b>Total</b>	<b>1,56,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

*Dr. Papiza Dulla*

Name and Signature of the Investigator:

Date: 23/01/2016

Place: USTm

*Papiza Dulla*

*Forwarded by*

HOD  
Department of Rural Development  
University of Science and Technology Meghalaya




## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2016/SM/08
2. Date of sanction: 21/02/2016
3. Title of research project: **Training of Mashroom cultivation**
4. Name and Dept. of the Principal Investigator: **Dr. Papiya Dutta, Department of Rural Development**
5. Total Grant approved: **Rs. 1, 50,000/-**
6. Expenditure incurred during the period of the report: **Rs. 80,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project:**
    1. Training on Cultivation of Mashroom
    2. Entrepreneurship initiative through market, supply to vendors
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work**  
(Give details of the papers, accepted /published in conference proceedings/journals)
    1. Training local bodies and farmers about cultivation initiated
    2. Entrepreneurial benefit through discussion with the focused group
  - (c) Has the progress been according to original plan of work and towards achieving the objective? (Y/N): Y
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if any
  - (f) Any other information.

  
Signature (PI)

Signature and Seal (HOD)

*Forwarded by*  
HOD  
Department of Rural Development  
University of Science and Technology Meghalaya

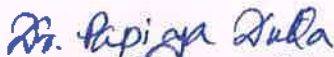


# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2016/SM/08
2.	Title of research project	Training of Mashroom cultivation
3.	Name of the Principal Investigator	Dr. Papiya Dutta
4.	Name the Department	Rural Development
5.	Date of sanction	21/02/2016
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1, 50,000/-
6.2	Total expenditure	Rs. 1, 49,000/-
7.	<b>Report of the work done:</b> (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

  
 Name and Signature of the Principal Investigator:  
 Date: 04/03/2017  
 Place: USTM



Forwarded by  
 HOD  
 Department of Rural Development  
 University of Science and Technology Meghalaya

Format-V



## University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### UTILIZATION CERTIFICATE

Certified that the grant of Rs. 1, 50,000/- (Rupees *One Lakh Fifty Thousand* only) received from the University of Science & Technology under the scheme of research grant vide proposal Reference No USTM/REG/R&D/2016/SM/08 dated 21/02/2016 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Dr. Papiya Datta

Name and Signature of the Investigator:

*Papiya Datta*

Date: 27/3/17  
Place USTM

*[Signature]*

Finance Officer

Date: 27/03/2017  
Place

Finance Officer  
University of Science & Technology, Meghalaya

*[Signature]*

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 22/01/2016

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2016/10 dated: 03/01/2016**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled “**The socio-economic status of fisherman: A case study of Songsak village of Meghalaya**” I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Polakshi Bhattacharyya  
Assistant Professor,  
Department of Economics,  
USTM

HOD  
Department of Economics  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project:** The socio-economic status of fisherman: A case study of Songsak village of Meghalaya
2. **Name of Investigator:** **Dr. Polakshi Bhattacharyya Baruah**  
Assistant Professor, Dept. of Economics
3. **Aim of the Research Proposal:** To study conditions of fishermen of the area under study and to meet the financial stability of those villager with an attempt to compare socio economic status with other parts of the state
4. **Project Type(s):** *Basic Research*  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal:**

### A. Abstract :

This study aims to hold a picture of the socio economic status of the fishermen of Songsak village of Meghalaya. Fishing is considered to be one of the main means of livelihood in this area of Meghalaya, the study intends to highlight the problems faced by the fishermen in terms of financial assistance received from government, the awareness of the local people about the various schemes available for fishermen and it also aims at examining the level of employment generated by the fisheries of the locality. The findings of the study are expected to be useful for the state government in policy formulation relating to fishing sector in the area of problems and prospects of fishery sector. As this study will also focus on the socio-economic status of the fishermen, it might proof to be helpful to the competent authority in formulating social welfare measures by using the data generated by this study. However, this study has certain

limitations like the findings of this study might not be feasible to generalize it as the study is limited to a village only.

#### **B. Details of state of the art in the research area**

Fishing is an important activity of the economy both in term of income generation and employment generation, but it has been realized by the existing literature relating to fisheries studies that it has not been utilized to its fullest capacity. The fishermen are also not financial sound enough despite of the fact that there is a potential market for fish and fish products. A large section of rural people are involved in the sector and they get opportunity for livelihood. Though a lot of research work has been done about biological aspects of fish farming, very little attention has been paid to its socio-economic aspects. The focus of the present study is therefore to fill this lacuna, and to throw more light on the socio-economic aspects of development of fish culture in rural areas.

It is worthwhile to mention that the fishermen belong to the rural areas of the state and they have been facing many problems in fisheries development. The basic problems are (i) absence of proper financial support (ii) illiteracy of the fishermen (iii) absence of technical knowhow on the part of the fisherman and (iv) lack of support from the government.

Considering the above background of fishery sector it has been felt that a study focusing on the problems encountered by the fishermen need to be undertaken.

#### **C. Details of any preliminary work done by the investigator:**

(Research publication of P.I. in the relevant topic, if any)

Literature review and Collection of data has been partially carried out

#### **Publications:**

1. **Polakshi Bhattacharyya** and Pankaj Jyoti Hazarika (2016). "Fisheries and Livelihood; Current Status and Future Possibilities: With special reference to Rastiya Krishi Vikash Yojana in Sivasagar District of Assam," Rural Financing in North Eastern Region of India: Issues and Challenges, Golaghat Offset Printers, pp 411-418.
2. **Polakshi Bhattacharyya** and Pankaj Jyoti Hazarika (2017). " The Fish Farming: A study on Socio-Economic Development of Fish Farmer under the Sivasagar and Demow Development Blocks of Sivasagar District in Assam," Academia, Volume III, Issue No-3.

#### **6. Budget estimate for the project:**

<b>SL. No.</b>	<b>Items</b>	<b>Items Amount (Rs.)</b>
<b>1.</b>	<b>Consumables (if any) (Not exceeding 20% of the total amount)</b>	<b>30,000/-</b>
<b>2.</b>	<b>Equipments/ Instrument</b>	
<b>3.</b>	<b>Travel (Not exceeding 10% of the total amount)</b>	<b>35,000/-</b>



4.	Survey/ Field work (if applicable)	40,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency (Not exceed 20% of the total amount)	30,000/-
7.	Overhead (10%)	15,000/-
	<b>Total</b>	<b>1,50,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr. Palokeshi Pshallacharyya  
 Name and Signature of the Investigator:  
 Date: 22/01/2016  
 Place: USTM

*ABhatia*

*Forwarded by*  
**HOD**  
 Department of Economics  
 University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2016/SD/10
2. Date of sanction: 23/02/2016
3. Title of research project: **The socio-economic status of fisherman: A case study of Songsak village of Meghalaya**
4. Name and Dept. of the Principal Investigator: **Dr. Polakshi Bhattacharyya, Department of Economics**
5. Total Grant approved: **Rs.1, 50,000/-**
6. Expenditure incurred during the period of the report: **Rs.90,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project:**
    1. To investigate socio-economic status of fisherman under the area of study
    2. To analyze survey data using statistical tool compare with rest of the people with an angle to touch socioeconomic status of those people
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work**  
(Give details of the papers, accepted /published in conference proceedings/journals)
    1. Pilot survey of study has been carried out
    2. Questionnaire with set parameter for responder has been framed, collected for analysis
  - (c) **Has the progress been according to original plan of work and towards achieving the objective? (Y/N):Y**
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if any
  - (f) Any other information.

Signature (PI)

Signature and Seal (HOD)

HOD

Department of Economics  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2016/SD/10
2.	Title of research project	The socio-economic status of fisherman: A case study of Songsak village of Meghalaya
3.	Name of the Principal Investigator	Dr. Polakshi Bhattacharyya
4.	Name the Department	Economics
5.	Date of sanction	23/02/2016
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs.1, 50,000/-
6.2	Total expenditure	Rs.1, 49,300/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

*Dr. Polakshi Bhattacharyya*

Name and Signature of the Principal Investigator:

Date: 23/03/2017

Place: USTM

*Polakshi*

*Forwarded by*

HOD

Department of Economics  
University of Science and Technology Meghalaya

Format-V



## University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### UTILIZATION CERTIFICATE

Certified that the grant of Rs.1, 50,000/- (Rupees One *Lakh Fifty Thousand* only) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2016/SD/10 dated Rs.1, 49,300/- has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Dr. Palakshi Bhattacharya  
Name and Signature of the Investigator *ABhatta*

Date: 29/03/2017  
Place USTM

*[Signature]*  
Finance Officer

Date: 29/03/2017  
Place

Finance Officer  
University of Science & Technology, Meghalaya

*[Signature]*  
Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 22/01/2018

**Sub: Submission of Proposal for Research Grant**

**Ref: USTM/REG/R&D/2018/1 dated: 03/01/2018**

Dear Sir,

Citing the above reference, I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*Study on the Mimosa invisa eradication techniques and their efficacy assessment*". I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of this proposal.

Thanking you.

Regards,

Dr. Prabal sarkar  
Associate Professor,  
Department of Zoology,  
USTM

Forwarded by  
HOD  
Department of Zoology  
University of Science and Technology Meghalaya



**University of Science & Technology Meghalaya**  
Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

**Research Proposal Format for Seed Grant**

1. **Title of the Project:** Study on the *Mimosa invisa* eradication techniques and their efficacy assessment.
2. **Name of Investigator:** Dr. PRABAL SARKAR, Associate Professor, Dept. of Zoology, USTM
3. **Aim of the Research Proposal:** The aim of the study is to find out the efficacy of the different *Mimosa invisa* eradication techniques.
4. **Project Type(s):**  
*Basic Research*  
*Applied Research* ✓  
*Others:*

**5. Brief content of the proposal (to be attached in separate sheet) :**

**A. Abstract :**

Weeds are one of the major threats that hinder the growth of native plants resulting in loss of food resources for rhino and other species of herbivores. The proposed project is aimed to find out the best field method for eradicating *Mimosa* species in Kaziranga National Park and other protected areas of the world.

**B. Details of state of the art in the research area**

***Background :***

Assam harbors about 80% of the global Indian rhino (*Rhinoceros unicornis*) population. This species prefers the grassland habitat as the feeding and resting site. Unfortunately, large scale infestation of *Mimosa invisa* (a weed species) hampered the growth of native grasses, and thereby decreasing the feeding ground of rhinoceros as well as other herbivores. Though an initiative was undertaken in Kaziranga National Park of Assam, India jointly by Wildlife Trust of India (WTI) and Assam Forest Department to eradicate *mimosa*, but no scientific documentation was done about the efficacy of different techniques.

***Aim and objectives:***

**Aim:** The aim of the study is to find out the efficacy of the different *Mimosa invisa* eradication techniques.

***Objectives :***

- To find out the efficacy of *Mimosa invisa* eradication technique by cutting.
- To find out the efficacy of *Mimosa invisa* eradication technique by burning.

- To find out the efficacy of *Mimosa invisa* eradication technique by uprooting.

**Methodology :**

Quadrats method (1m X 1m size) will be followed during this proposed study. From fix number of quadrats, Mimosa will be uprooted, burned and cut at a height of 3 inch separately. The growth of Mimosa species shall be recorded in term of their number and size with respect to different quadrat on monthly basis.

**Outcome :**

The best field method to eradicate mimosa as part of the habitat recovery and improvement programme for rhino and other herbivore species.

**C. Details of any preliminary work done by the investigator:**

(Research publication of P.I. in the relevant topic, if any)

The proponent of this proposed project was earlier associated with the mimosa eradication programme in Kaziranga National Park of Assam, India which was conducted by Wildlife Trust of India in association with the Assam Forest Department.

**D. Particulars of equipment required (if any):**

6. Budget estimate for the project:

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	60,000/-
2.	Equipments/ Instrument	--
3.	Travel (Not exceeding 10% of the total amount)	35,000/-
4.	Survey/ Field work (if applicable)	95,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency (Not exceed 20% of the total amount)	35,000/-
7.	Overhead (10%)	25,000/-
	<b>Total</b>	<b>2,50,000/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

*Dr. Jyabala Sarkar*

Name and Signature of the Investigator:

Date: 22/01/2018

Place: US7M

forwarded by  
H.O.  
Department of Zoology  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2018/SM/01
2. Date of sanction: 16/02/2018
3. Title of research project: **Study on the *Mimosa invisa* eradication techniques and their efficacy assessment**
4. Name and Dept. of the Principal Investigator: **Dr. Prabal Sarkar, Department of Zoology**
5. Total Grant approved: **Rs. 2, 50,000/-**
6. Expenditure incurred during the period of the report: **Rs. 1, 20,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. To find out the efficacy of *Mimosa invisa* eradication technique by cutting.
    2. To find out the efficacy of *Mimosa invisa* eradication technique by burning.
    3. To find out the efficacy of *Mimosa invisa* eradication technique by uprooting
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work**  
(Give details of the papers, accepted /published in conference proceedings/journals)
  - (c) Has the progress been according to original plan of work and towards achieving the objective? (Y/N): Y
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if any
  - (f) Any other information.

*Prabal Sarkar*

Signature (PI)

Signature and Seal (HOD)

*forwarded by*  
HOD  
Department of Zoology  
University of Science and Technology Meghalaya





# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2018/SM/01
2.	Title of research project	Study on the Mimosa invisa eradication techniques and their efficacy assessment
3.	Name of the Principal Investigator	Dr. Prabal Sarkar
4.	Name the Department	Department of Zoology
5.	Date of sanction	16/02/2018
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 2, 50,000/-
6.2	Total expenditure	Rs. 2, 49,100/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

Dr Prabal Sarkar  
Name and Signature of the Principal Investigator:

Date: 03/03/2019

Place: USTM

Prabal Sarkar

Forwarded by  
Department of Zoology  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of Rs. 2, 50,000/- (Rupees *Two Lakh Fifty Thousand* only) received from the University of Science & Technology under the scheme of research grant vide proposal Reference No USTM/REG/R&D/2018/SM/01 dated 16/02/2018 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

*Dr Babal Sarma*

Name and Signature of the Investigator:

*Prabesh Sarma*

*[Signature]*

Finance Officer

Date: *07/09/2019*

Place *USTM*

Date: *07/09/2019*

Place

*Finance Officer*  
University of Science & Technology, Meghalaya

*[Signature]*

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2018

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2018/1 dated: 03/01/2018**

Dear Madam,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*A study on socioeconomic profile of small rubber growers in Assam: a study of Karbi Anglong district*" I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Sankar Thapa  
Associate Professor,  
Department of Business Administration,  
USTM

*Forwarded by*

NOB  
Department of Business Administration  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project :** *A study on socioeconomic profile of small rubber growers in Assam: a study of Karbi Anglong district*
2. **Name of Investigator:** **Dr. Sankar Thapa**  
Department of Business Administration
3. **Aim of the Research Proposal:**
  - a. To know the socio economic profile of small rubber growers in Karbi Anglong District.
  - b. To know the problems faced by the small rubber growers in relation to rubber plantation.
4. **Project Type(s):** ***Basic Research***  
*Basic Research*  
*Applied Research*  
*Others:*

5. **Brief content of the proposal :**

**A. Abstract :**

The study shall examine the present scenario of natural rubber production by small rubber growers in Assam especially in Karbi Anglong district. This study also would try to find out the socio economic profile of small rubber growers in Assam especially in Karbi Anglong district. The paper would also try to identify and analyze the problems faced by the small rubber growers in relation to the rubber plantation. Moreover it would try to bring out some solution to overcome those problems which would be helpful for the stakeholders.

**B. Details of state of the art in the research area .**

Rubber is in great demand all over the world. It is one of the important plants that are being used for the living of the mankind. The requirements of products made up of rubber for people's utilization is increasing day by day. Natural latex is one of the essential raw materials

available for making various kinds of products in heavy industries such as motor and vehicle industry, kitchenware and house ware etc. In our daily life, we are always involved with products made of rubber and that we need it from birth to death.

'Rubber' is the word derived from the verb 'rub' meaning "elastic substance from tropical plants" first recorded in 1788. It was introduced to Europe by Charles Marie de la Condamine, so called because it originally was used as an eraser. Very useful for erasing the strokes of black lead pencils and is popularly called rubber and lead eater. *Hevea brasiliensis* or Rubber tree is commercial latex producing plant species which belongs to the family Euphorbiaceae that originates from the Amazonian Rain Forest.

Assam is situated in the North-East region of India – bordering seven states viz. - Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and West Bengal and two countries viz. Bangladesh and Bhutan. The state is broadly divided into two natural divisions – (i) The Plains area and (ii) The Hills area. The plains area of the State consists of two valleys viz., (i) The Brahmaputra Valley and (ii) The Barak Valley. Out of 32 districts in the state, there are two hill districts namely Karbi Anglong and North Cachar Hills. Both these districts cover a total geographical area of 15,222 sq. km. (19.3% of the State's area).

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

**Collection of data has been partially carried out.**

**6. Budget estimate for the project:**

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	40,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	40,000/-
4.	Survey/ Field work (if applicable)	42,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	35,000/-
7.	Overhead (10%)	15,600/-
	<b>Total</b>	<b>1,72,600/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.



Name and Signature of the Investigator:

Date: 23/01/2018

Place: UTM

Forwarded by

Stamp: Department of Business Administration  
Universiti Teknologi Malaysia



**University of Science and Technology Meghalaya**  
Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

**(Format for Six Month Progress Report to be submitted by the faculty)**

1. Project Reference No.: USTM/REG/R&D/2018/SM/24
2. Date of sanction: 21/02/2018
3. Title of research project: **A study on socioeconomic profile of small rubber growers in Assam: a study of Karbi Anglong district**
4. Name and Dept. of the Principal Investigator: **Dr. Sankar Thapa, Department of Business Administration**
5. Total Grant approved: **Rs. 1, 50,000/-**
6. Expenditure incurred during the period of the report: **Rs. 80,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. To know the socio economic profile of small rubber growers in Karbi Anglong District.
    2. To know the problems faced by the small rubber growers in relation to rubber plantation
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work** (Give details of the papers, accepted /published in conference proceedings/journals)
    1. Collection of data has been partially carried out.
    2. Analysis of data collected is being carried out
  - (c) **Has the progress been according to original plan of work and towards achieving the objective? (Y/N): Y**
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if any
  - (f) Any other information.

  
Signature (PI)

Signature and Seal (HOD)

  
HOD  
Department of Business Administration  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2018/SM/24
2.	Title of research project	A study on socioeconomic profile of small rubber growers in Assam: a study of Karbi Anglong district
3.	Name of the Principal Investigator	Dr. Sankar Thapa
4.	Name the Department	Business Administration
5.	Date of sanction	21/02/2018
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1, 50,000/-
6.2	Total expenditure	Rs. 1, 49,600/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

Name and Signature of the Principal Investigator:

Date: 28/02/2019

Place: USTM

Forwarded by

HOD

Department of Business Administration



Format-V



## University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### UTILIZATION CERTIFICATE

Certified that the grant of Rs. 1, 50,000/- (Rupees *One Lakh Fifty Thousand* only) received from the University of Science & Technology under the scheme of research grant vide proposal Reference No USTM/REG/R&D/2018/SM/24 dated 21/02/2018 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Name and Signature of the Investigator:

Dr. Sankar Thappa  
Date: 24/03/2019  
Place USTM

Finance Officer

Date:  
Place

24/03/19

University of Science & Technology, Meghalaya

Registrar  
University of Science & Technology,  
Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2017

Sub: **Submission of Proposal for Research Grant**  
Ref: **USTM/REG/R&D/2017/1 dated: 03/01/2017**

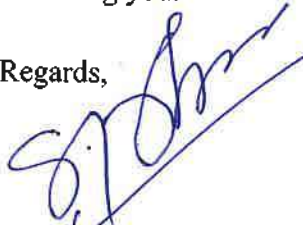
Dear Madam,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled *"A study on the problems of attitude of teachers towards inclusion of children with special needs in general school setting in the Ri-Bhoi district of Meghalaya"* I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

  
Dr. Saru Joshi  
Associate Professor,  
Department of Education,  
USTM

*Forwarded by*  
HOD  
Department of Oomrul Hoque School of Education  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project:** "A study on the problems of attitude of teachers towards inclusion of children with special needs in general school setting in the Ri-Bhoi district of Meghalaya"
2. **Name of Investigator:** Dr. Saru Joshi, Department of Education
3. **Aim of the Research Proposal:**
  - i) To identify the number of Special children studying in the schools of Ri-bhoi District in Meghalaya
  - ii) To study the attitude of school teachers towards the inclusion of children with Special needs in the regular schools of Ri- bhoi District in Meghalaya.
4. **Project Type(s):** *Basic Research*  
Basic Research  
Applied Research  
Others:

**5. Brief content of the proposal :**

**A. Abstract:**

Inclusive education as seen is largely emanating from the human rights perspective which upholds that variations in human characteristics associated with disability, whether in cognitive, sensory, or motor ability, as inherent to the human condition and such conditions do not limit human potential (Rioux and Carbet 2003). There is a belief that inclusion of children from different challenged categories in the schools will help them access to a conducive atmosphere for their learning and enabling them to acquiring better communication skills, better adjustment in the community and in the neighborhood. In spite of all the policies and practices in India, there are some prejudices and challenges to be met by the pioneers in this regard. Among the changes and barriers one of the most important challenges is with regard to the attitude of teachers towards the inclusion. Many researches studies proves that the attitudes of mainstream teachers toward the special children is very important aspects to highlights for the implementation of inclusive education.

It is in the above background that this study was designed to find an answer to the following main research questions: pertaining to the attitudes of teachers on the implementation of inclusive education based on the above aspects the topic has been entitled below as follows: *“A study on the problems of attitude of teachers towards inclusion of children with special needs in general school setting in the Ri-Bhoi district of Meghalaya”*

#### **B. Details of state of the art in the research area**

The present study will be conducted in the RiBhoi District with headquarter in Nongpoh. RiBhoi District is one of the youngest districts of Meghalaya which came into existence and assumed the hierarchical status of the District on the 4th June 1992 by upgrading the former Civil Sub-Division. Presently, the District is bounded on the north by the Kamrup, Morigaon and Nagaon Districts of Assam, on the east by the KarbiAnglong District of Assam, on the south by East Khasi Hills districts and on the west by the West Khasi Hills District.

The present study will enable to provide information about attitudes towards inclusive education in the Ri-Bhoi District. Policies and programs pertinent to the inclusive practices are being developed for implementation of inclusive education. But, unfortunately the lack of resources, less financial allocation and attitudes of the various stake holders are the barriers which hinders the implementation of inclusive Education. The present study will provide knowledge about attitude of teachers towards the inclusion of special children in the regular schools. the positive outcome of the study may serve as a stepping stone towards implementation of inclusive education and will add knowledge base in this area. Furthermore, findings of the study will guide and provide information to competent authority for better planning and decision making about successful implementation of inclusive education in Ri-Bhoi District of Meghalaya .

c) Details of any preliminary work done by the investigator: (Research publication of P.I. in the relevant topic, if any)

“The role of Teachers in ensuring sustainability in inclusive education for children with special needs in terms of Equity and Quality”, published at International Educational Scientific Research Journal Vol.5, Issue 3, March 2019.

Attitude towards Inclusion of Children with Special Needs in Regular Schools: A Teacher’s Perspectives in Ri-Bhoi District Meghalaya,” Published in Peer Reviewed Journal (JIIRDDA) Vol.5 ISSN 2454-9754 December, 2019.

Inclusion in education: its impact and implementation in Dhemaji Distict of Assam,” Published in Peer Reviewed Journal (JIIRDDA) Vol.5 ISSN 2454-9754 December, 2019.

**C. Details of any preliminary work done by the investigator:**  
(Research publication of P.I. in the relevant topic, if any)

1. Collection of data as per set parameter in questionnaire has been done

**Publication:**

1. Academic Achievement and Strength of Home Environment Imperial Journal of Interdisciplinary Research (IJIR), Volume: 3, Issue:7 (ISSN: 2454-136)

**6. Budget estimate for the project:**

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	30,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	40,000/-
4.	Survey/ Field work (if applicable)	40,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency (Not exceed 20% of the total amount)	35,000/-
7.	Overhead (10%)	15,700/-
	<b>Total</b>	<b>1,60,700/-</b>

**Declaration**

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Name and Signature of the Investigator:

Date: 23/01/2017

Place: USTM

Forwarded by

HOD  
Department of Gourmoul Hoque School of Education  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2017/SM/10
2. Date of sanction: 23/02/2017
3. Title of research project: A study on the problems of attitude of teachers towards inclusion of children with special needs in general school setting in the Ri-Bhoi district of Meghalaya
4. Name and Dept. of the Principal Investigator: Dr. Saru Joshi, Department of Education
5. Total Grant approved: Rs. 1, 50,000/-
6. Expenditure incurred during the period of the report: Rs. 80,000/-
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) Brief objective of the project
    - i) To identify the number of Special children studying in the schools of Ri-bhoi District in Meghalaya
    - ii) To study the attitude of school teachers towards the inclusion of children with Special needs in the regular schools of Ri- bhoi District in Meghalaya.
  - (b) Work done so far, results achieved. Publications, if any, resulting from the work (Give details of the papers, accepted /published in conference proceedings/journals)
    1. Collection of data as per set parameter in questionnaire has been done
    2. Analysis of data collected is being done
  - (c) Has the progress been according to original plan of work and towards achieving the objective? (Y/N)
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if nay
  - (f) Any other information.

Signature (PI)

Signature and Seal (HOD)

*Saru Joshi*  
for forwarded by  
HOD  
Department of Qaumrul Hoque School of Education  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2017/SM/10
2.	Title of research project	A study on the problems of attitude of teachers towards inclusion of children with special needs in general school setting in the Ri-Bhoi district of Meghalaya
3.	Name of the Principal Investigator	Dr. Saru Joshi
4.	Name the Department	Department of Education
5.	Date of sanction	23/02/2017
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1, 50,000/-
6.2	Total expenditure	Rs. 1, 49,870/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

Name and Signature of the Principal Investigator:

Date: 25/3/19

Place: USTM

*Forwarded by*

HOD

Department of Gourmri Hoque School of Education  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of Rs. 1, 50,000/- (Rupees *One Lakh Fifty Thousand* only) received from the University of Science & Technology under the scheme of research grant vide proposal Reference No USTM/REG/R&D/2017/SM/10 dated 23/02/2017 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Dr. Saru Joshi

Name and Signature of the Investigator:

Date: 28/3/18.

Place USTM

Finance Officer

Date:

Place

Finance Officer  
University of Science & Technology, Meg

28/03/2018.

Registrar  
University of Science & Technology,  
Meghalaya





# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2018

**Sub: Submission of Proposal for Research Grant**  
**Ref: USTM/REG/R&D/2018/1 dated: 03/01/2018**

Dear Madam,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*Boarder trade market: A case study in dry fish market, Jagiroad, Morigaon, Assam*" I request you kindly to go through the attached proposal (**Format-I**)  
I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Thagiram Gogoi  
Professor,  
Department of Sociology,  
USTM

*Forwarded by*  
**HOD**  
Department of Sociology  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## Research Proposal Format for Seed Grant

1. **Title of the Project :** *Boarder trade market: A case study in dry fish market, Jagiroad, Morigaon, Assam*
2. **Name of Investigator:** **Dr. Thagiram Gogoi**  
Department of Sociology
3. **Aim of the Research Proposal:**  
The broad aim of the proposal is to know the North Eastern region in accessing natural barriers in the recent time. India sought to break the land lock region by opening up of borders in North East for trade and commerce with the neighboring state
4. **Project Type(s):** *Basic Research*  
*Basic Research*  
*Applied Research*  
*Others:*
5. **Brief content of the proposal (to be attached in separate sheet) :**

### A. Abstract :

Border trade markets has a long Impact on our civilisation. Borders trade markets was not economic transaction and exportation, it is on incidents of political ,social awareness due to people can be aware what is going on around them. Borders market not only to carry on trade transaction it is changing socio-economic lifestyle of the people and the security perception during the early decades of India's independence that made the international borders in North Eastern region in accessing natural barriers. In the recent decades in which India sought to break the land lock region by opening up of borders in North East for tread and commerce with the neighbouring state. Though the borders trade markets day fish market,jagiroad of Assam. The study is attempt to examine the people can acquire knowledge throughout the different part of the country and of their neighbouring states. This study will also help in examining the socio-cultural and economic status of the people those who are living in present time.

## B. Details of state of the art in the research area

Details of state of the art in the research "Jagiroad day fish market area is one of the common market place for the people in the borders area of Assam and Meghalaya to boast local and international business and trade, commodities sold here are free of duty or tax . Basically the trade market are allowed to sell items include agricultural and horticultural products, spices, minor forest products, cottage industry commodities, hand-loom and handicrafts products, garments and others. The trade markets caters to various socio-political needs of the people. In this study, highlight about the significance of the Assam and Meghalaya of borders markets to the inhabitants of Khasi hill prior to India's independence as well as the impact of partition of the country which resulted to shouting down of borders markets.

Though the Jagiroad day fish market people can acquire knowledge though out the different part of the country and of theirs help in examining the socio-cultural and economic status of people those who are living in the state in ancient to present time.

## C. Details of any preliminary work done by the investigator: (Research publication of P.I. in the relevant topic, if any)

1. Pilot survey has been done in the area under study

6. Budget estimate for the project:

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	35,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	40,000/-
4.	Survey/ Field work (if applicable)	25,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	
6.	Contingency(Not exceed 20% of the total amount)	35,000/-
7.	Overhead (10%)	15,000/-
	<b>Total</b>	<b>1,50,000/-</b>

### Declaration

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

Dr. Thagiream Gogoi  
Name and Signature of the Investigator:



Forasateded by  
HOD

Date: 23/01/2018

Place: USTM

Department of Sociology  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2018/SM/20
2. Date of sanction: 23/02/2018
3. Title of research project: **Boarder trade market: A case study in dry fish market, Jagiroad, Morigaon, Assam**
4. Name and Dept. of the Principal Investigator: **Dr. Thagiram Gogoi, Department of Sociology**
5. Total Grant approved: **Rs. 1, 50,000/-**
6. Expenditure incurred during the period of the report: **Rs. 75,000/-**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. To knows the significance of trade market in bilateral relation of the state.
    2. To examining the socio – cultural and economic studies of the people those who are living in the states.
  - (b) **Work done so far, results achieved. Publications, if any, resulting from the work**  
(Give details of the papers, accepted /published in conference proceedings/journals)
    1. Based on pilot survey and secondary data collected as per set parameter analysis has been initiated
    3. Comparative study (case basis) on cultural and economic studies of the people those who are living in the states. Are being done
  - (c) **Has the progress been according to original plan of work and towards achieving the objective? (Y/N): Y**
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study, if any
  - (f) Any other information.

Signature (PI)

Signature and Seal (HOD)

Forwarded by

HOD

Department of Sociology  
University of Science and Technology Meghalaya

Format-IV



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2018/SM/20
2.	Title of research project	Boarder trade market: A case study in dry fish market, Jagiroad, Morigaon, Assam
3.	Name of the Principal Investigator	Dr. Thagiram Gogoi
4.	Name the Department	Department of Sociology
5.	Date of sanction	23/02/2018
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 1, 50,000/-
6.2	Total expenditure	Rs. 1, 49,500/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	Separate sheet attached

Do. Thagiram Gogoi  
Name and Signature of the Principal Investigator:  
Date: 03/03/2019  
Place: USTM

*Caris*

Forwarded by

HOD  
Department of Sociology  
University of Science and Technology Meghalaya



# University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## UTILIZATION CERTIFICATE

Certified that the grant of Rs. 1, 50,000/- (Rupees *One Lakh Fifty Thousand* only) received from the University of Science & Technology under the scheme of research grant vide proposal Reference No USTM/REG/R&D/2018/SM/20 dated 23/02/2018 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Dr. Ilaginean Gogoi  
Name and Signature of the Investigator:

A handwritten signature in blue ink, appearing to read 'Gogoi'.

Date: 28/03/2019  
Place: USTM

A handwritten signature in blue ink, appearing to read 'Naga'.

Finance Officer  
University of Science & Technology, Meghalaya

Date: 28/03/19  
Place

A handwritten signature in blue ink, appearing to read 'Naga'.

Registrar  
University of Science & Technology,  
Meghalaya



**University of Science & Technology Meghalaya**  
Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,  
The Registrar,  
University of Science & Technology, Meghalaya  
9<sup>th</sup> Mile, Ri-Bhoi, Meghalaya

Date: 22/01/2014

**Sub: Submission of Proposal for Research Grant**  
**Ref: USTM/REG/R&D/2014/15 dated: 03/01/2014**

Dear Sir,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled **“Library Automation and Networking: Study on Rajiv Gandhi University, Arunachal Pradesh and North Eastern Hill University, Shillong”** I request you kindly to go through the attached proposal (**Format-I**)

I look forward to your kind acceptance of the proposal soon.

Thank you.

Regards,

Mr. Gautam Gogoi  
Assistant Professor,  
Department of Library and Information Science,  
USTM

*Forewarded by*  
**HOD**  
Department of Library and Information Science  
University of Science and Technology Meghalaya



**University of Science & Technology Meghalaya**  
Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

**Research Proposal Format for Seed Grant**

1. **Title of the Project :**Library Automation and Networking: Study on Rajiv Gandhi University, Arunachal Pradesh and North Eastern Hill University, Shillong
2. **Name of Investigator :** Mr. Gautam Gogoi  
Assistant Professor, Dept. of Library and Information Science
3. **Aim of the Research Proposal:** The purpose of the study is identifying the existing hardware and software components that are being used in the process of library automation and networking systems in these central universities namely Rajiv Gandhi University, Arunachal Pradesh and North Eastern Hill University, Shillong. The investigator aims to critically review, examine, and consider the opportunities and the inherent challenge and the use of different methods for that automation process. The investigator also aims at what innovations or transformative insights could emerge from the process of implementation of newer technologies for creating a smarter information system.
4. **Project Type(s):**  
*Basic Research*
5. Brief content of the proposal
  - A. **Abstract :** Information technology is currently taking center stage and transforming the whole world into a global village with a global economy, which is increasingly dependent on the creative management and distribution of information. The enormous advantages it has in easing the delivery of information around the world. Application of ICT in libraries



has become inevitable in an era of information explosion and widespread use of digital information resources. Effective application of ICT in libraries helps in performing their operations and services most efficiently. The modernization of libraries and information centers enabled information transfer and access, meeting objectives and thereby establishing a network of libraries and information centres. This initiative saw a major shift in resource development, resource sharing and their utilization at various levels. Subscription to e-journals, CD-ROM databases, online databases, web-based resources, and a variety of other electronic resources are transforming the very face of the libraries, particularly the academic and research libraries. They participate in library consortia and build digital libraries. To cope up with the changes which are taking place in today's globalized society no library can go towards the proper direction to satisfy their clients without a proper internet connectivity. The entire library has to provide automation and networking service for uplifting the user experience in accessing information resources and services. The study will focus on the software and hardware components that are being used to initiate library automation in the university libraries of Rajiv Gandhi University, Arunachal Pradesh and North Eastern Hill University, Shillong. The research design includes collection of primary data and field visits. The findings of the project are expected to through light in the present scenarios relating the university library services in an ICT enabled environment. It will also explore the possibility of a University Library Network in the North-East region of India.

#### **B. Details of state of the art in the research area:**

- Library software used in India includes SOUL (Software for University Libraries), Libsys, Koha, Greenstone, DSpace etc. Both license based and open source software are being used for library automation purposes in different types of institutes and organizations. Softwares are primarily used to develop Integrated Library Management System and create Digital Library which can be interlinked via Library Networks for all service purposes.
- Present Networking status in India includes: Resource sharing network, Data sharing network, Communication and data exchange networks etc.

Important Library and Information Networks:

**General Networks in India:**

- INDONET (Data Network)
- NICNET(National Information Centre Network)
- OPNET (Open Education network)

**Specialized Networks:**

- BTISNET (Biotechnology Information Systems Network)
- CSIRNET (Council of Scientific and Industrial Research Network)
- DESINET (Defense Scientific Information Network)
- ERNET (Education and Research Network)
- INFLIBNET (Information and Library Network)

**Metropolitan Area Networks:**

- ADINET (Ahmedabad Network)
- CALIBNET ( Calcutta Library Network)
- DELNET (Developing Library Network)
- MALIBNET (Madras Library Network)
- MYLIBNET (Mysore Library Network)

**C. Details of any preliminary work done by the investigator:  
(Research publication of P.I. in the relevant topic, if any)**

No.

**D. Particulars of equipment required (if any):**

**6. Budget estimate for the project:**

SL. No.	Items	Items Amount (Rs.)
1.	Consumables (if any) (Not exceeding 20% of the total amount)	10,000/-
2.	Equipments/ Instrument	
3.	Travel (Not exceeding 10% of the total amount)	25,000/-
4.	Survey/ Field work (if applicable)	30,000/-
5.	Other (specify) (Not exceed 10% of the total amount)	

6.	Contingency(Not exceed 20% of the total amount)	7,000/-
7.	Overhead (10%)	8,000/-
	<b>Total</b>	<b>80,000/-</b>

***Declaration***

Certified that the details furnished above are correct to the best of my knowledge and belief and that the amount of financial assistance, if granted, will be utilized for the purpose for which it is granted within the time prescribed by the university. I also undertake to abide by the guidelines prescribed by the University.

*Grantam Gogoi*  
Name and Signature of the Investigator:  
Date: 22/01/2014  
Place: USTY

*Foreworded by*  
Department of Library and Information Science  
University of Science and Technology Meghalaya



# University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

## (Format for Six Month Progress Report to be submitted by the faculty)

1. Project Reference No.: USTM/REG/R&D/2014/SM/15
2. Date of sanction: 23/02/2014
3. Title of research project: *Library Automation and Networking: Study on Rajiv Gandhi University, Arunachal Pradesh and North Eastern Hill University, Shillong*
4. Name and Dept. of the Principal Investigator: **Mr. Gautam Gogoi**, Department of Library and Information Science
5. Total Grant approved: **Rs. 74,000**
6. Expenditure incurred during the period of the report: **Rs. 50,000 (Period: April-August)**
7. Report of the work done. Please attach a separate sheet containing the following details:
  - (a) **Brief objective of the project**
    1. To study process of implementation of newer technologies for creating a smarter information system.
    2. Analysis on the present scenarios relating the university library services in an ICT enabled environment
  - (b) **Work done so far, results achieved.** Publications, if any, resulting from the work
    1. *Field survey carried out*
    2. *Collected of data in the form of questionnaire from responders*
    3. *Initialization of data analysis*(Give details of the papers, accepted /published in conference proceedings/journals, if any)
  - (c) **Has the progress been according to original plan of work and towards achieving? the objective? (Y/N): Y**
  - (d) If not, state reasons briefly
  - (e) Enclose a summary of the findings of the study.
  - (f) Any other information.

Signature (PI)

Signature and Seal (HOD)

Forwarded by  
HOD

Department of Library and Information Science  
University of Science and Technology Meghalaya



## University of Science and Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### PROJECT COMPLETION REPORT

1.	Project Proposal Reference No.	USTM/REG/R&D/2014/SM/15
2.	Title of research project	Library Automation and Networking: Study on Rajiv Gandhi University, Arunachal Pradesh and North Eastern Hill University, Shillong
3.	Name of the Principal Investigator	Mr. Gautam Gogoi
4.	Name the Department	Library and Information Science
5.	Date of sanction	23/02/2014
6.	Grant approved and expenditure incurred during the period of the report	
6.1	Total amount approved	Rs. 74,000/-
6.2	Total expenditure	Rs. 74,100/-
7.	Report of the work done: (Please attach a separate sheet) A: Brief objective of the project: B: Work done so far and results achieved and publications, if any, resulting from the (Give details of the papers, accepted /published in conference proceedings/journals) C: Has the progress been according to original plan of work and towards achieving the objective if not, state reasons	<i>Separate sheet attached.</i>

Name and Signature of the Principal Investigator:

Date: 20/3/15

Place: USTM

Forwarded by  
HOD  
Department of Library and Information Science  
University of Science and Technology Meghalaya



## University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

### UTILIZATION CERTIFICATE

Certified that the grant of Rs 74,000/- (Rupees Eighty Thousand only) received from the University of Science & Technology under the scheme of research grant vide proposal reference No USTM/REG/R&D/2014/SM/15 dated 23/02/2014 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.

Name and Signature of the Investigator: *Gutan Gogoi*

Date: 29/3/15.  
Place USTM

*[Signature]*  
Finance Officer

Date: 29/03/2015.  
Place  
Finance Officer  
University of Science & Technology, Meghalaya

*[Signature]*  
Registrar  
University of Science & Technology,  
Meghalaya