

**Government of West Bengal**  
**Department of Science & Technology and Biotechnology (DSTBT)**  
Vigyan Chetana Bhavan, Block-DD, Plot-26/B, Sector-I  
Salt Lake, Kolkata-700064

**Application Format for Science Popularization Programme**

1. Programme Type (ref SN 11 of the Memorandum): Seminar organised by school.
2. Title of the proposed Programme: Climate Change and resilience from  
lateritic upland to the Bengal's rice bowl. (See No. 3)
3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community): Teacher, student and community members.
4. Duration (days): 2; Tentative Dates of the proposed Programme: 27th and 28th Jan: 2026
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary): Annexure III
6. Name, Designation, Postal Address, mobile no. and e-mail id of the (only one) Programme Co-ordinator (PC) (attach separate sheet, if necessary): Dr. Sumam Chatterjee  
Assistant Teacher, R.B. Chatterjee Road, Lakurdi, Bardhaman  
Mob. No. - 9974376310, e-mail id - mailtosumam.chatterjee@gmail.com, Pin - 713102.
7. Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ IIT/ Autonomous body/ registered NGO/ Trust etc.): Recognised as Govt. sponsored school. (H.S. Code-104433)  
jee@gmail.com
8. Date wise detail Programme Schedule (attach separate sheet, if necessary): Annexure IV
9. Collaborating Institutions/ Organizations, if any, with their specific contribution: NIL
10. Expected number of participants and list of Resource Persons/ Invited Speakers: 60, 05
11. Give details of the grant received from DSTBT in last three Financial Years, if any alongwith the date of submission of UC, Audited SoE, Report etc.: NIL
12. Name and address of the authority to whom the allotted amount is to be credited (if sanctioned) who will also be responsible for submitting the UC, audited SoE, Programme Completion Report, Feedback, Still and Video photographs etc. of the grant: Samchra High School (H.S)  
Samchra, Jamalpur, Bardhaman, Pin - 713401
13. Total Estimated Expenditure (A)/ Organisation's contribution (B)/ Contribution from any other sources (C) / Grant expected from DSTBT(D):  
D: ₹ 1,00,000 = (A: ₹ 12,000 - B: ₹ 12,000 - C: ₹ NIL)  
(provide detail Budget break-up as per Annexure-I and Bank details as per Annexure-II)

Check List (put tick) of attachments to be submitted with the application

- Proposed Total Budget with break-up (Annexure-I) and Bank Details (Annexure-II) in Institute/ Organization's letter head: YES/NO
- For registered NGO/ Trust, filled in Application Format recommended by the appropriate Recommending Authority, viz., Jt.BDO/ BDO/ SDO/ DM/ Executive Officer- Municipality/ Commissioner-Municipal Corporation as the case may be (where the programme is actually going to be held): YES/NO
- For registered NGO/ Trust, attested copies of the registration certificate, latest renewal certificate, Memorandum and Rules & Regulations of the Organization, last three years Audited Statement of Accounts, Annual Reports etc., List of recommended beneficiaries: YES/NO

DECLARATION

Certified that the details furnished in the filled in format are correct to the best of our knowledge & belief and that the amount of financial assistance, if sanctioned, will be utilized for the purpose for which it is granted within the time as prescribed by DSTBT. We also undertake to abide by the General Guidelines and Terms & Condition prescribed by DSTBT and provide due coverage to DSTBT during the Programme and publications/ print and electronic media made from the Programme in future. We also declare that within one month after completion of the Programme we shall submit the Utilisation Certificate (UC), Audited Statement of Expenditure (Audited-SoE), Programme Completion Report, Feedbacks from the Participants, still and video photographs etc.

Signature: *Sunam Chatterjee*

Date: 15/12/2025

Name of Programme Coordinator:

SUNAM CHATTERJEE

Designation: ASSISTANT TEACHER

Address: Sanchra High School (H.S.)  
SANCHRA, JAMALPUR

(Office Seal)

Signature: *D. Jain* Headmaster  
Sanchra High School (H.S.)  
Date: 15/12/2025 Sanchra, Purba Bardhaman

Name of Head of the Institution:

MT. DEBASIS SAIN

Designation:

HEAD MASTER

Address: SANCHRA HIGH SCHOOL (HS)  
SANCHRA, JAMALPUR, PURBA  
BARDHAMAN, PIN- 713401

RECOMMENDATION

(only for registered NGO/ Trust)

Certified that the said Organisation is reputed in this field and I/ we recommend the said proposal for getting grant-in-aid from DSTBT, Govt of West Bengal for the benefit of the local College/ University Students/ Community etc.

Signature:

Date:

Name of Recommending Authority:

Designation:

Address:

(Office Seal)



## Proposed Total Budget with break-ups

## A. Total Estimated Expenditure

Sl. No.	Items required with justification and rate	Total Expenditure (A) (₹)
1.	Honorarium to Resource Persons/ Experts	15,000/-
2.	Study materials, Consumables expenses	10,000/-
3.	Hall rent, if any	2,000/-
4.	Publicity materials	5,000/-
5.	Travel expenses	10,000/-
6.	T.A. to the external Resource Persons/ Experts	10,000/-
7.	Documentation expenses including audio-visual	10,000/-
8.	Light refreshments	30,000/-
9.	Auditors' fee	5,000/-
10.	Other expenses, if any (please specify)	10,000/-
Grand Total Expenditure (₹):		1,12,000/-

Please mention:

B. Institution/ Organization Contribution\* in ₹ 12,000/-

C. Contribution from any other sources (with name &amp; Address) in ₹ NIL

D. Grant expected from DSTBT (₹) = (A-B-C) 1,00,000/-

*S. Jain*  
 Headmaster  
 Sanchara High School (H.S.)  
 Sanchara, Purba Bardhaman

If C = 0

Undertaking: This organization/ institution is not receiving any kind of financial assistance from any other sources

*S. Jain*  
 Signature of Authorised Personnel with seal  
 Headmaster  
 Sanchara High School (H.S.)  
 Sanchara, Purba Bardhaman

\*At least 10% of the total budget contribution from the institute/ organization is desirable

## Bank details of the Applicant Organisation

Name of the Organization	Sanchara High School (H.S.)
Bank Account number & name of the Account holder/ Organization	A/c No. - 10690100001552 Sanchara High School
Type of Account (Savings or Current A/c)	Savings
Name of the Bank	WEST BENGAL GRAMIN BANK
Name of the Branch with Branch address	MOSAGRAM MASAGRAM STATION ROAD
IFSC of the Branch	PUNBORRBBGB
Mobile Number of the Programme Coordinator/ Head of the Organization	9474376310 6297635940
PAN / TAN of the Account holder/ Organization	EALD04496C

*S. Jain*

Signature of Authorised Personnel with seal

**Headmaster**  
**Sanchara High School (H.S.)**  
**Sanchara, Purba Bardhaman**

## **Annexure III**

### **Climate Change and resilience from lateritic uplands to the Bengal's rice bowl.**

#### **Aim of the Programme**

The programme aims to create scientific awareness and field-based understanding of climate change impacts and resilience mechanisms across the contrasting geomorphic zones of the Rarh region of West Bengal, extending from lateritic uplands to the alluvial rice bowl plains.

#### **Objectives of the Programme**

1. To understand regional climate change patterns

To familiarise participants with observed and projected climate change trends in the Rarh region, including variations in rainfall, temperature extremes, drought–flood cycles, and their geomorphic and ecological implications.

2. To examine landscape-based vulnerability and resilience

To analyse how different landforms—lateritic uplands, dissected plateaus, piedmont zones, and alluvial rice plains—respond differently to climate stress and how resilience is shaped by soil, slope, drainage, and vegetation.

3. To study agricultural resilience in the rice bowl plains

To assess the impacts of climate variability on rice-based agriculture, irrigation systems, soil fertility, and cropping practices, and to highlight indigenous and scientific adaptation strategies.

4. To promote field-based scientific learning and observation

To develop skills in landform identification, soil observation, erosion assessment, water-resource evaluation, and climate impact mapping through direct field exposure.

5. To encourage community-centric adaptation thinking

To sensitise participants to the role of local knowledge, traditional practices, and community-level resilience in coping with climate change in rural Bengal.

#### **Methodology**

Illustrated lectures with maps and diagrams

Field visits and direct observation

Interaction with local community

Group discussion and reporting



## Expected Outcomes

Enhanced understanding of climate change and resilience

Improved scientific observation skills

Awareness of sustainable land and agricultural practices

Strengthening of science popularisation at the school and community level

## Venue

Day 1: Sanchara High School (Seminar Hall / Classroom)

Day 2: Selected Lateritic Upland and Alluvial Plain Sites of the Rarh Region

## Day – 1 (27<sup>th</sup> January 2026)

### Theme: Climate Change and Resilience in the Rice Bowl of West Bengal

Time	Programme Details
10:00 – 10:30 AM	Registration of participants
10:30 – 11:15 AM	Inaugural Session: Lighting of lamp, welcome address, inaugural speech by Honourable MLA Shri Alok Kumar Majhi
11:15 – 11:30 AM	Tea Break
11:30 – 12:30 PM	Lecture 1: Climate Change – Global to Regional Perspective.(Dr. Kalyan Rudra/Dr. Arijit Majumdar)
12:30 – 1:30 PM	Lecture 2: Evolution of Lateritic Landscapes of Rarh and Climate Sensitivity. (Dr. Sandipan Ghosh)
1:30 – 2:15 PM	Lunch Break
2:15 – 3:15 PM	Lecture 3: Transition from Lateritic Uplands to Alluvial Fan-Delta Plains( Prof. Babar Ali Shah)
3:15 – 4:15 PM	Lecture 4: Alluvial Rice Bowl Plains – Agriculture, Floods, and Resilience(Dr. Gopa Samanta)
4:15 – 4:30 PM	Interaction and Discussion with the participants.

## **Day – 2 (28<sup>th</sup> January 2026)**

**Lateritic Landscape of the Rarh Region – Identifying Geomorphological Features, Bio Diversity & Soil Erosion: Scientific activities.**

Time	Programme Details
8:00 – 9:30 AM	Journey to Lateritic Landscape Site
9:30 – 11:30 AM	Field Observation: Lateritic Soil, Gully Erosion, Vegetation Resilience
11:30 – 12:00 PM	Tea Break
12:00 – 2:00 PM	1Field Observation: Piedmont Zone and Alluvial Plains – Drainage, Rice Fields
2:00 – 2:45 PM	Lunch Break
2:45 – 4:00 PM	Interaction with Farmers and Local Community
4:00 – 5:00 PM	Group Discussion and Documentation
5:00 – 7:00 PM	Return Journey and Valedictory Session

## **Annexure IV**

### **Programme Schedule for Day 1 & Day 2**

#### **Day - 1**

<b>Time</b>	<b>Programme Details</b>
10:00 – 10:30 AM	Registration of participants
10:30 – 11:15 AM	Inaugural Session: Lighting of lamp, welcome address, inaugural speech by Honourable MLA Shri Alok Kumar Majhi
11:15 – 11:30 AM	Tea Break
11:30 – 12:30 PM	Lecture 1: Climate Change – Global to Regional Perspective.(Dr. Kalyan Rudra/Dr. Arijit Majumdar)
12:30 – 1:30 PM	Lecture 2: Evolution of Lateritic Landscapes of Rarh and Climate Sensitivity. (Dr. Sandipan Ghosh)
1:30 – 2:15 PM	Lunch Break
2:15 – 3:15 PM	Lecture 3: Transition from Lateritic Uplands to Alluvial Fan-Delta Plains( Prof. Babar Ali Shah)
3:15 – 4:15 PM	Lecture 4: Alluvial Rice Bowl Plains – Agriculture, Floods, and Resilience(Dr. Gopa Samanta)
4:15 – 4:30 PM	Interaction and Discussion with the participants.

#### **Day -2**

<b>Time</b>	<b>Programme Details</b>
8:00 – 9:30 AM	Journey to Lateritic Landscape Site
9:30 – 11:30 AM	Field Observation: Lateritic Soil, Gully Erosion, Vegetation Resilience
11:30 – 12:00 PM	Tea Break
12:00 – 2:00 PM	1Field Observation: Piedmont Zone and Alluvial Plains – Drainage, Rice Fields
2:00 – 2:45 PM	Lunch Break
2:45 – 4:00 PM	Interaction with Farmers and Local Community
4:00 – 5:00 PM	Group Discussion and Documentation
5:00 – 7:00 PM	Return Journey and Valedictory Session