

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): National Seminar (Sl. 2)
2. Title of the proposed Programme: Green Technology & Innovation: Renewable energy, smart cities, GIS for environmental monitoring, eco-friendly products.
3. Target Group (Faculty, Teacher, Research Scholar, School/College/ University Student, Community): Faculty, Research scholars, Industrial persons, Local community and High School students
4. Duration (days): .2; Tentative Dates of the proposed Programme: **March 6-7, 2026**
5. Aims, Objectives and Details of the Programme (attach separate sheet, if necessary):
Separate sheet is attached
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. Mukesh Singh, Principal and Faculty of Dept. of Botany, Kabi Nazrul College, Birbhum (West Bengal), Email ID: msingh006@gmail.com; Mobile: 9903262707
7. Legal status of the Institute (School/College/ University/ Institute/ Polytechnic/ ITI/ Autonomous body/ registered NGO/ Trust etc.): Government-aided College
8. Date wise detail Programme Schedule (attach a separate sheet, if necessary):
Separate sheet is attached
9. Collaborating Institutions/ Organizations, if any, with their specific contribution: NA
10. Expected number of participants and list of Resource Persons/ Invited Speakers:

Expected number of participants: 200
Separate sheet is attached
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.: **NA (No fund received)**
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:

Dr. Mukesh Singh, Principal and Faculty of Dept. of Botany, Kabi Nazrul College, Birbhum (West Bengal), Email ID: msingh006@gmail.com; Mobile: 9903262707
13. Total Estimated Expenditure (A)/ Organisation's contribution (B)/ Contribution from any other sources (C) / Grant expected from DSTBT(D): **₹ 2,00,000**
D : ₹ 2,00,000 = (A: ₹2,25,000 B: ₹ 25,000 C: ₹ 0)
(provide detail Budget break-up as per Annexure-I and Bank details as per Annexure-II):

SEMINAR PROPOSAL

Environment 2026: Advancing Sustainable Horizons with Innovative Green Technologies and Climate-Resilient Communities

Climate change has emerged as one of the most pressing challenges of the 21st century, characterized by rising temperatures, extreme weather events, biodiversity loss, and increasing socio-economic vulnerability. West Bengal, with its diverse ecological landscapes - from the foothills of the Himalayas to the ecologically fragile Sundarbans delta - is under severe threat from sea-level rise, cyclical floods, cyclones, soil salinization, and biodiversity loss. Emphasizing both global challenges and local action, the event highlights strategies to build climate-resilient communities through fair adaptation, resilience planning, and zero-sum pathways. By combining technological innovation with a community-based perspective, Environment 2026 aims to promote inclusive, science-based approaches that enable society to move towards a sustainable and equitable environment. Educational institutions play a crucial role in raising awareness, generating new knowledge, and empowering young people. Educational institutions play a vital role in fostering awareness, generating new knowledge, and empowering young citizens to contribute to climate-resilient development.

The Environment 2026 National Seminar, organised by a West Bengal undergraduate college, aims to create an interdisciplinary platform for students, researchers, teachers, policymakers, and practitioners to exchange ideas, share best practices, and create actionable paths to sustainable horizons. Through knowledge exchange and capacity building, the seminar aims to empower young researchers and local communities to take sustainable and future-oriented environmental actions, including the nationally determined contributions, the renewable energy target, and the Zero-Emission plans.

The proposed seminar aligns with India's key climate and development pledges:

- Net-Zero Emissions target for 2070
- National Action Plan on Climate Change (NAPCC)
- State Action Plan on Climate Change (West Bengal)
- Renewable Energy Mission, Clean Energy Transition, and Green Hydrogen Vision
- Government thrust on Green Growth (Union Budget Priority 2023–24)

Aim of the Seminar

This proposed two-day National Seminar aims to establish an interdisciplinary platform for sharing knowledge, research, and enhancing skills that promote sustainable futures with innovative green technologies and climate-resilient community practices.

Objectives

1. Discussion on innovative green technologies in various sectors (Energy, Medicine, electronics, GIS-based environmental monitoring, and eco-friendly products).
2. Discussion on climate-change impacts in Indian contexts, particularly in West Bengal's ecologically vulnerable regions.
3. Role of community-centered climate adaptation, resilience frameworks, and nature-based solutions.
4. To provide a platform for academic presentations, student research, and case studies on sustainability.
5. Encouragement of collaboration among academia, government agencies, NGOs, and industries.

Expected Outcomes

1. Enhanced understanding of climate change impacts, green technologies, and adaptation strategies.
2. Increased student participation in environmental research and innovation.
3. Builds network among colleges, environmental agencies, and research institutions.

PROGRAM SCHEDULE

MARCH 06, 2026, FRIDAY: SEMINAR ROOM (ROOM NO: 103)

Registration & Inauguration

- 9.00 AM - 9.30 AM Registration, Venue: SEMINAR ROOM (Room No: 103)
- 9.15 AM - 10.00 AM Breakfast
- 10.00 AM - 10.30 AM Inauguration

Lighting of Lamps and National Anthem, and State songs

- 10.30 AM- 10.45 AM Welcome address by Dr Mukesh Singh, Principal, Kabi Nazrul College, Murarai
- 11.00 AM -11.45 AM Guest of Honour (Expert 1) Dr. Tamal Mandal, Professor

Technical Session I: Green Technologies & Renewable Energy Innovations

- 11.50 AM - 12.30 PM Lecture 1(Expert 2) Dr. Chandan Kumar Ghosh
- 12.35 PM - 13.20 PM Lecture 2 (Expert 3) Dr. Bikash Kumar Mondal

LUNCH Break (13.25 PM – 2.30 PM)

Technical Session II: GIS, Smart Cities, and Environmental Monitoring

- 2.35 PM – 3.20 PM: Lecture 3 (Expert 4) Dr. Abhijit Sarkar
- 3.25 PM – 4.10 PM: Lecture 4 (Expert 5) Dr. Jayanta Das
- 4.15 PM – 5.00 PM: Lecture 5 (Expert 6) Dr. Satyaki Sarkar

5:00 PM: Tea

MARCH 07, 2026, SATURDAY: SEMINAR ROOM (ROOM NO: 103)

Technical Session-III: Climate Change Impacts & Adaptation Strategies

- 10.00 AM - 10.45 AM Lecture 6 (Expert 7) Dr. Nalini Mohan Singh
- 10.50 AM - 11.35 AM Lecture 7 (Expert 8) Dr. Mukesh Singh

11.40 AM – 12.10 AM Tea Break

- 12.15 AM – 13.15 PM: Open House for Discussion (Expert 6 & 8)
Dr. Krishnendu Acharya and Dr. Sudipta Ray

LUNCH Break (13.20 PM – 2.20 PM)

Poster presentation (Evaluation by Expert 4)

- 2.30 PM – 4.30 PM (Expert 7-10)
- 4.35 PM – 4.50 PM: Valedictory Session

‘Environment 2026: Advancing Sustainable Horizons with Innovative Green Technologies and Climate-Resilient Communities’

Sl. No	Key-Note Speakers / Resource Persons	Affiliation
1	Dr. Tamal Mandal, Professor	Department of Chemical Engineering NIT Durgapur, Mahatma Gandhi Avenue, Durgapur - 713209, West Bengal Email ID: Tmandal.che@nitdgp.ac.in Mobile No: 9434788078
2	Dr. Chandan Kumar Ghosh, Professor	School of Materials Science and Nanotechnology, Jadavpur University Email ID: chandu_ju@yahoo.co.in Mobile No: 9836320542
3	Dr. Bikash Kumar Mondal, Assistant Professor	Department of Chemical Eng, NIT Durgapur, Mahatma Gandhi Avenue, Durgapur - 713209, West Bengal, India Email ID: bkmondal.che@nitdgp.ac.in Mobile No: 9434789037
4	Dr. Abhijit Sarkar, Assistant Professor	Department of Botany, University of Gour Banga, P.O.: Mokdumpur, Dist.; Malda, West Bengal-732 103 Email ID: abhijitbhu@gmail.com Mobile No: 9163614292
5	Dr. Jayanta Das	Department of Geography, Rampurhat College Rampurhat, Birbhum Mobile No: 9735333399
6	Dr. Satyaki Sarkar, Professor and HOD	Department of Architecture, BIT Mesra, Ranchi – 835215 Email ID: satyakisarkar@bitmesra.ac.in Phone Office - 2275444 Extn 4509
	Dr. Nalini Mohan Singh Scientist	Bihar State Pollution Control Board Patna, Parivesh Bhawan, Plot No. NS-B/2, Patliputra Industrial Area, P.O. Sadaquat Ashram, Patna (Bihar) - 800010 Email ID: pranabroy@rediffmail.com Ph No: 0612-2261776
7	Dr. Mukesh Singh	Dept of Botany, Kabi Nazrul College, Muraerai Birbhum 731219 Email ID: msingh006@gmail.com Mobile No: 9903262707
8	Dr. Krishnendu Acharya,	Department of Botany, University of Calcutta, Kolkata Email ID: krish_paper@yahoo.com Mobile No: 8013167310

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
- 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 (NA)
- 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 (NA)

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: 12/12/2025

Date: 12-12-2025

Name of Programme Coordinator:

Dr. Mukesh Singh

Designation: Faculty of Botany & Principal

Address: Kabi Nazrul College, Murarai
Birbhum 731219

Principal
Kabi Nazrul College
Murarai::Birbhum

(Office Seal)


Signature: 12/12/2025

Date: 12-12-2025

Name of Head of the Institution:

Dr. Mukesh Singh

Designation: Principal

Address: Kabi Nazrul College, Murarai
Birbhum 731219

Principal
Kabi Nazrul College
Murarai::Birbhum

KABI NAZRUL COLLEGE

AFFILIATED TO THE UNIVERSITY OF BURDWAN
 (NAAC ACCREDITED)
 Awarded B Grade by NAAC

From: PRINCIPAL

Murarai
 P.O – Murarai
 Dist – Birbhum (W.B)
 Pin – 731219

E-mail: kncollege1986@gmail.com
 Website – www.kabinazrulcollege.ac.in

Annexure-I

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 (RS. 2500 per Expert) Total experts: 8	20,000
2.	Study materials, Consumables expenses	10,000
3.	Hall rent, if any	10,000
4.	Publicity materials	10,000
5.	Travel expenses	5,000
6.	T.A. to the external Resource Persons/ Experts	50,000
7.	Documentation expenses including audio-visual	5,000
8.	Light refreshments	10,000
9.	Auditors' fee	5,000
10.	Other expenses, if any (Lunch for Participants and experts)	1,00,000
Grand Total Expenditure (₹):		2,25,000

Please mention:

B. Institution/ Organization Contribution* in ₹ 25,000
 C. Contribution from any other sources (with name & Address) in ₹ 0

D. Grant expected from DSTBT (₹) = (2,25,000-25,000-0)= ₹2,00,000

H. Surya L. 12/12/2025
 Principal
 Kabi Nazrul College
 Murarai::Birbhum Signature of Authorised Personnel with seal

If C= 0 Undertaking: This organization/ institution is not receiving any kind of financial assistance from any other sources

H. Surya L. 12/12/2025
 Principal
 Kabi Nazrul College
 Murarai::Birbhum Signature of Authorised Personnel with seal

KABI NAZRUL COLLEGE

AFFILIATED TO THE UNIVERSITY OF BURDWAN
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Pin – 731219

E-mail: kncollege1986@gmail.com
Website – www.kabinazrulcollege.ac.in

Annexure-II

Bank details of the Applicant Organisation

Name of the Organization	Kabi Nazrul College
Bank Account number & name of the Account holder/ Organization	34988656885 Kabi Nazrul College
Type of Account (Savings or Current A/c)	Current A/c
Name of the Bank	State Bank of India
Name of the Branch with Branch address	Branch: Murarai Murarai Vill & Po: Murarai Dist: Birbhum, West Bengal 731219
IFSC of the Branch	SBIN0002088
Mobile Number of the Programme Coordinator/ Head of the Organization	+91-9903262707
PAN / TAN of the Account holder/ Organization	CALK04593B


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Signature of Authorized Personnel 12/12/2023
with seal

Principal
Kabi Nazrul College
Murarai::Birbhum