



## **G. B. Pant National Institute of Himalayan Environment**

(An Autonomous Institute of Ministry of Environment, Forest & Climate Change, Govt. of India)  
Sikkim Regional Centre, Pangthang, Post Box: 24, Gangtok, Sikkim 737 101, India  
Tel: 03592-295130; Email: [headskrc@gmail.com](mailto:headskrc@gmail.com)

### **Green Skill Development Programme (GSDP)** on **Certificate Course on "Large Cardamom Farming & Livelihood Enhancement"** Supported by **Khangchendzonga Landscape Conservation and Development Initiative (KLCDI)-India**

---

**Name of Course:** Certificate Course on **Large Cardamom Farming & Livelihood Enhancement**

**Venue:** Khangchendzonga Conservation Committee (KCC), Yuksam, West Sikkim

**Duration of the course:** 11 -24 December 2020 (Total 112 hrs.)

**Last date of receipt of application:** 06 December 2020

#### **Background**

Large Cardamom - *Amomum subulatum* (family Zingiberaceae) is one of the main perennial cash crop largely cultivated in the state of Sikkim, West Bengal (Darjeeling-Kalimpong hills) and Arunachal Pradesh. As a high value-low volume crop, Large Cardamom, a boon to mountain population, is usually cultivated in the agro-forestry system and known to contribute to the mitigation of climate change impacts due to its higher primary productivity and carbon fixation rates. Its ecological flexibility, social adaptability and mountain specific niche has made it an important element in mountain ecosystem providing livelihood options. In addition, it is less labour-intensive and found to be non-nutrients exhaustive system compared to other crops in the region. The increasing demand for large cardamom in the local and global market in the recent past strongly motivated farmers to bring more land under large cardamom cultivation. At the same time the high fluctuation in yield and fall in prices has driven farmers to explore more sustainable modes of large cardamom production. The large cardamom sector faces various challenges, such as increased exposure to climate impacts, low economic opportunities, lack of access to finance and the global market, lack of initiatives for value addition and increased competition with substitute products. Considering these challenges, there is a need to strengthen best crop management practices i.e. pre and post harvest techniques, value chain development and management, and develop stakeholder's network and market linkages.

Recently, the MoEF&CC has launched an initiative for Green Skill Development in the environment and forest sector in consultation with the National Skill Development Agency to enable India's youth to get gainful employment and/or self-employment, called the Green Skill Development Programme (GSDP). The programme endeavours to develop green

skilled workers having technical knowledge and commitment to sustainable development of the country. Realizing this and strengthening the large cardamom farming skills among youths, certification course under GSDP on “large cardamom farming and livelihood enhancement” is prerequisite in the Khangchendzonga Landscape, India in collaboration with KLCDI-India tasks.

Realizing the importance of large cardamom farming especially in the KL-India for ecosystem management and livelihood, the skill of local youths may be encouraged which may support them to generate self-employment and/or entrepreneurship in the field of large cardamom based niche products. In this regard, a three weeks "**Certificate Course on Large Cardamom Farming & Livelihood Enhancement**" is proposed under GSDP in support with KLCDI-India programme by the Sikkim Regional Centre of the Institute during 11 - 24 December, 2020 (112 hrs). The main aim of the course is to provide advance knowledge of large cardamom farming and value chain, and soft skills to marketing services.

The course aims to engage interested and/or progressive youths from Sikkim and Darjeeling-Kalimpong Himalayan region through skill and capacity building on large cardamom based enterprises. The following major topics will be covered during the event:

- Agronomic practices of Large cardamom farming
- Organic farming of large cardamom
- Post harvest technologies
- Agro-forestry and pollination friendly farming
- Large cardamom value chain and marketing
- Encourage youths towards self-employment and/or entrepreneurship in large cardamom farming

<b>Events</b>	<b>Proposed date</b>	<b>Target Groups/ Nos.</b>	<b>Venue</b>
Certificate Course on Large Cardamom Farming & Livelihood Enhancement	11 -24 December 2020 (Total 112 hrs.)	Progressive farmers/youths (22 Nos.)	KCC, Yuksam, West Sikkim

#### **Expected outcomes**

1. Improved understanding on organic farming of large cardamom (pre & post harvest techniques)
2. Strengthened skills to promote cardamom based value chain as a self-employment and entrepreneurship
3. Developed skilled youths towards suitable ecosystem services and management
4. Developed viable farmers network and cross-learning platform
5. Developed large cardamom based stakeholder’s synergy.

## Organizing Committee

Parton	:	Dr. R.S. Rawal, Director, GBPNIHESD
Convener	:	Dr. Rajesh Joshi, Head, GBPNIHESD, Sikkim Regional Centre
Coordinator's	:	Dr. Kailash S. Gaira & Dr. Aseesh Pandey
Resource person from SRC	:	Dr. Devendra Kumar; Dr. S. Rawat; Dr. M. Joshi; Dr. Y.K. Rai; Mr. J. Dhakal; Mr. P.K. Tamang; Dr. Geetamani Chettri; Dr. Santosh Chettri Technical Assistance : Mr. R K Das, Mr. M Rai, Mr. Shaybir, Mr. Bikas
Potential Collaborating partners/RPs	:	Ms. Tshering U. Bhutia, CEO, KCC, Yuksam Dr. Sarala Khaling , Regional Director, ATREE, Gangtok Dr. T.N. Deka, Head, Indian Cardamom Research Institute, Gangtok Mr. B.L. Dahal , Add Director, Horticulture Department, Govt. of Sikkim Dr. M. S. Foning, Secretary, Kalimpong Horticulture Society, Kalimpong Mr. Rinzeno Lepcha, Program Officer, MIVDIR, Gangtok Dr. Luxman Sharma, Associate Professor, Sikkim University Dr. Ghanshyam Sharma, Head & Program Manager, TMI-India Mr. Ugen Palzor Lepcha, Executive Director MLAS, Dzongu National Organic Farming Research Institute, Gangtok (ICAR) Forest, Environment & Wildlife Management Department, Govt of Sikkim

### Eligibility

#### Essential:

- Educational qualification: At least class 12th pass.
- Age: 40 years (Relaxation applicable as per GOI rules)

#### Desirable:

- Interest in large cardamom farming & livelihood development;
- Farming background & minimal agriculture land holding

#### Partners' organizations

- Khangchendzonga Conservation Committee, Yuksam
- Ashoka Trust for Research in Ecology & the Environment, Gangtok
- Indian Cardamom Research Institute, Gangtok

**Training Fee:** There is no course fee.

**How to apply:** Interested candidates may apply on the prescribed application form attached with this advertisement. Advance copy of the duly filled application form along with bio-data (as per the prescribed format) should be sent by email to Regional Head (headskrc@gmail.com) and Dr. Kailash S. Gaira, Programme Coordinator, (kgaira@gmail.com). Hard copy of the same should be submitted to the office of Regional Head, G.B. Pant National Institute of Himalayan Environment, Sikkim Regional Centre, Pangthang, Gangtok, Sikkim 737101 by hand/speed post/registered post.

#### Note:

- Maximum 22 candidates will be selected for the course; candidates will be screened based on eligibility criteria, experience, and relevance of the training programme for their career.
- All the expenses for boarding, lodging and travel during the course will be borne by the organizers.
- A certificate will be awarded to the participants on successful completion of the course.

**Regional Head, GBPNIHESD, Sikkim**

## Tentative programme

Section	Components	Date & Day
<b>Inaugural</b>	<ul style="list-style-type: none"> <li>• Discussion &amp; awareness on International Mountain Day (2020) theme as Mountain Biodiversity</li> <li>• Ice breaking &amp; expectation of participation</li> <li>• Knowledge assessment (pre)</li> </ul>	11.12.2020 (day 01)
<b>Training &amp; discussion</b>	<ul style="list-style-type: none"> <li>• Agronomic practices (Pre &amp; Post harvest)</li> <li>• Agro techniques including organic farming</li> <li>• Product management &amp; Value-chain (cost benefit analysis)</li> <li>• e-social market &amp; rural entrepreneur</li> <li>• Integrated livelihood model</li> <li>• Discussion on conventional v/s modern techniques</li> <li>• Large cardamom based issues &amp; challenges v/s opportunity &amp; solutions</li> </ul>	12.12.2020 to 17.12.2020 (Day 02 to 07)
<b>Field exposure</b>	<ul style="list-style-type: none"> <li>• Interaction with progressive farmers</li> <li>• Varietal discrimination/identification</li> <li>• Pre &amp; post management</li> <li>• Resource utilization (value addition of large cardamom based waste materials)</li> </ul>	18.12.2020 to 21.12.2020 (Day 08 to 11)
<b>Debriefing</b>	<ul style="list-style-type: none"> <li>• Group exercises &amp; discussion</li> <li>• Presentation &amp; knowledge exchange</li> <li>• Prioritising &amp; large cardamom based best practices</li> </ul>	22.12.2020 to 23.12.2020 (Day 12 to 13)
<b>Closing session</b>	<ul style="list-style-type: none"> <li>• Post assessment</li> <li>• Valedictory session</li> <li>• Certificate distribution</li> </ul>	24.12.2020 (Day 14)

**Ministry of Environment, Forest and Climate Change (MoEF&CC) Govt. of  
India, New Delhi**

**G.B. Pant National Institute of Himalayan Environment, Sikkim  
Regional Centre, Pangthang, Post box: 24, Gangtok-737101, Sikkim, India**

**Application Form for Green Skill Development Programme (GSDP)**

**Title: Large Cardamom Farming & Livelihood Enhancement**

**Year: 2020**

**Name of Applicant:**

**Guardian's Name:**

**Address –**

**(i) Present:**

**(ii) Permanent:**

Paste recent  
color passport  
size photo

**Gender:**

**Category:**

**Date of Birth:**

**Email ID:**

**Applicant Mobile Number:**

**Guardian Mobile Number:**

**Qualification:**

**Subject:**

**College/ Institute/University:**

**Computer competency (Yes/No):**

**Ministry of Environment, Forest and Climate Change (MoEF&CC) Govt. of  
India, New Delhi**

**Statement of Purpose:**

**(i) Why do you want to do this course:**

**(ii) What is your future planning post- certification:**

**Upload Passport Photos:**

**Note:** You can also send the filled form and your passport photo to following mail ids: E-mail  
ids: [headskrc@gmail.com](mailto:headskrc@gmail.com)/[kgaira@gmail.com](mailto:kgaira@gmail.com)



पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

क्या आप आज पर्यावरण के लिए काम करना चाहते हैं? एक बेहतर कल बनाने के लिए नामांकन करें !!

## हरित कौशल विकास कार्यक्रम (जीएसडीपी)

माननीय प्रधानमंत्री जी के कौशल भारत मिशन के अनुसरण में पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय ने हरित कौशल विकास कार्यक्रम (जीएसडीपी), जी.बी. पंत राष्ट्रीय हिमालय पर्यावरण संस्थान सिक्किम क्षेत्रीय केंद्र (जीबी पीएनआईएचड-एसआरसी) पांगथांग, गंगटोक में प्रारम्भ होना है, जिसके तहत उत्साही लोगों के लिए जिनकी आयु 18 वर्ष से कम और उससे अधिक है, मास्टर प्रशिक्षक (एमटी)/ विशेषज्ञ के रूप में विभिन्न पाठ्यक्रम/प्रशिक्षण कार्यक्रम प्रस्तुत किये जा रहे हैं।

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एमओईएण्डसीसी) से संबंधित प्रतिष्ठित संस्थानों में **मुफ्त प्रशिक्षण** प्रदान किया जायेगा। प्रारम्भ में लिखित परीक्षा/साक्षात्कार में भाग लेने और प्रशिक्षण कार्यक्रम में सम्मिलित होने के लिए कोई टीएडीए स्वीकार्य नहीं होगा। मास्टर प्रशिक्षक के रूप में आपको विभिन्न पर्यावरणीय क्षेत्रों में युवाओं के कौशल विकसित करने में लगाया जायेगा, इस प्रकार आप भारत के **'ग्रीन रिकल्ट'** वर्कफोर्स का सृजन करेंगे। पाठ्यक्रम प्रशिक्षण कार्यक्रम, एनएसडीए, कौशल विकास और उद्यमिता मंत्रालय के राष्ट्रीय कौशल योग्यता फ्रेमवर्क (एनएसक्यूएफ) के अनुसार होंगे। पाठ्यक्रम पूरा करने पर सफल उम्मीदवारों को प्रमाण पत्र दिये जायेंगे।

जीएसडीपी के अंतर्गत मास्टर प्रशिक्षक (एमटी)/विशेषज्ञों के लिए दिसंबर 2020 में आरम्भ होने वाले प्रमाणपत्र पाठ्यक्रम (पाठ्यक्रमों की अवधि) लगभग 112 घंटे तक है।

आवेदन जमा करने की अंतिम तिथि: 07 दिसंबर 2020

प्रशिक्षण शुल्क: नि:शुल्क

पाठ्यक्रम का शीर्षक (Course Title)	न्यूनतम शैक्षिक योग्यता (Minimum qualification)	प्राथमिकता (Priority)	संबंधित केन्द्र का संपर्क सूत्र (Contact information of involved centre)
बड़ी इलायची की खेती और आजीविका संवर्धन (Large Cardamom Farming & Livelihood Enhancement)	बारहवीं (12 <sup>th</sup> ) (कोई भी विषय) Class twelve (any discipline)	वनस्पति, वन, जन्तु, पर्यावरण विज्ञान, कृषि एवं बागवानी विषयों में स्नातक/परा स्नातक अभ्यर्थी जो किसी स्वयंसेवी संस्था, सरकारी संगठन या स्वरोजगार से जुड़े हो एवं ग्रामीण क्षेत्र में रहते हों उन्हें उक्त प्रशिक्षण हेतु वरियता दी जायेगी। (Graduate/post graduate participants in botany, forestry, zoology, environmental science, agriculture, and horticulture and involved in non government/ government organizations)	कृपया विस्तृत जानकारी एवं आवेदन करने हेतु सम्पर्क करें— Sikkim Regional Centre, Govind Ballabh Pant National Institute of Himalayan Environment, Pangthnag, Gangtok, Sikkim.  Contact: Dr. K.S. Gaira: +91 95932 61157; Dr. Aseesh Pandey: +91 7908143378 e-mail: kgaira@gmail.com