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FORWARDING OF APPLICATIONS

Prof./Dr./Mr./Mrs./Ms. _____
is an employee of our institute and his/her application is hereby forwarded. The applicant will be permitted to attend the short-term course at IIT, Kharagpur during 26th Dec., 2010 – 2nd Jan., 2011, if selected.

Date: _____
Signature of the Forwarding Authority
Designation: _____
Official Seal: _____

For sponsored applicants from Industries and Government organizations:

DD No. & Date: _____
Bank: _____
Amount: _____

Signature of the Applicant: _____

The duly sponsored application form should be mailed to:

Prof. V. R. Desai
Department of Civil Engineering
Indian Institute of Technology, Kharagpur
West Bengal – 721302

Ph. No.: 03222 283416 (O), Fax No.: 03222 282254

Email: venkapd@civil.iitkgp.ernet.in

ELIGIBILITY

The course is open to teachers of Engineering Colleges approved by All India Council of Technical Education (AICTE) and having a degree in either Civil Engineering or Agricultural Engineering or Architecture or other allied engineering disciplines. **No course fee** is charged for participants from AICTE approved institutions. Participants from Industries and Government organizations are also eligible, provided they meet their T.A. and D.A. **A course fee of Rs. 10,000/- and Rs. 8,000/-** will be charged for the participants from industries and Government organizations, respectively. The payment is to be made by a demand draft drawn on any Nationalized Bank in favour of 'CEP-STC, IIT Kharagpur', payable at Kharagpur.

A caution money of Rs. 1,000/- in the form of demand draft has to be sent by all the provisionally selected participants. It will be returned only when the participant joins the course.

BOARDING AND LODGING

Boarding and lodging facilities will be provided for the participants in the Visweswaraya Guest House at IIT, Kharagpur.

IMPORTANT DATES

The last date for the receipt of duly forwarded applications: **30th Aug., 2010**
Intimation of selection: **10th Sep., 2010**
Last date for receiving caution money from provisionally selected participants: **5th Oct., 2010**
Course Registration: **26th Dec., 2010.**

PS: Interested applicants may send the advance copy of their application form countersigned by their Head of the Department/ Controlling Officer (for industry/ government organization sponsored candidates) to avoid procedural delay.

A QIP Sponsored Short Term Course on

GREEN INFRASTRUCTURE

26th Dec., 2010 -2nd Jan., 2011

In the Indian Institute of Technology
(IIT), Kharagpur



[Fig. Courtesy: 'Green Technology', NMST, IIT Kharagpur, 2009]

Coordinator: V. R. Desai Ph. D.

Organized by:



Department of Civil Engineering
Indian Institute of Technology, Kharagpur
West Bengal - 721302

BACKGROUND

Many existing engineering infrastructural facilities such as buildings, roads, agricultural farms, etc., need more resources like water, power, and materials and so on. This is also partly due to their inadequate design wherein the emphasis on climate change and its ecological consequences was absent. Some structural and functional changes are also to make these facilities more efficient and techno-economically feasible. To serve an increasing population and also to incorporate changes in the land use pattern, many new facilities are required. If these facilities are designed using green technologies, they can ensure security of water, food, energy and they can also withstand many other climate change impacts for most of their lifetime. Only such green infrastructure can ensure development with sustainability and eco-friendliness. During construction such facilities do incur some additional costs, which can be easily recovered in few years through savings in the operational and maintenance costs. This short term course is an attempt to present principles and case studies of green infrastructure encompassing various branches of engineering/ architecture under a single umbrella.

COURSE OBJECTIVES

The objectives of the proposed course are (i) to expose the teachers/ engineers/ policy makers of our country on the time tested practices and recent trends in green infrastructure (ii) to update the knowledge on the remedial measures to overcome the adverse impacts of climate change which is affecting each one of us.

COURSE CONTENT

- Principles of ecological footprints;
- Conventional green technologies;
- Green infrastructure in civil engineering;
- Green infrastructure in agricultural engineering;

- Green infrastructure in other engineering areas;
- Green rating system/ provisions in building codes;
- Retrofitting/ redesign of existing infrastructure;

FACULTY

Faculty members of IIT Kharagpur and a few guest faculty from other premier institutions/ organizations will deliver lectures.

ABOUT IIT KHARAGPUR

Kharagpur is known world over for two landmarks. One, the longest railway platform, and the other, the Indian Institute of Technology, more commonly known as IIT. Situated about 120 km west of Kolkata, Kharagpur can be reached in about 2 hours by train from Howrah railway station of Kolkata or 3 hours by car from Kolkata Airport. Kharagpur is also connected by direct train services to most major cities of the country. The Institute is about 10 minutes drive (5 km) from the Kharagpur railway station. It is the oldest, the biggest (both in terms of student intake and campus area) and the most versatile in terms of its academic units among all the 15 IITs in India. Few years back, it was listed as the only IIT and one of the only 3 Indian Universities among the top 200 universities of the world.

FINANCIAL ASSISTANCE

Participants from AICTE recognized engineering institutions will be eligible for to and fro railway fare via shortest route limited to a maximum of AC 3 Tier class and DA to cover the lodging and normal boarding expenses during the course period at IIT Kharagpur. Only such candidates attending the course for the entire course duration will be eligible for TA and DA. Participants are required to produce ticket(s) in original for TA reimbursement.

For all other participants no TA/ DA will be paid.

A QIP Sponsored Short Term Course on

Green Infrastructure

26th Dec., 2010 – 2nd Jan., 2011

Application Form

1. Name (in block letters):
2. Designation & monthly pay:
3. Organization:
4. Address for communication (with PIN Code):

Contact Land Ph. No.:

Mobile No.:

Fax No. :

E-mail ID:

5. Highest Academic Qualification:

6. Specialization:

7. Experience (in years):

(a) Teaching:

(b) Professional:

8. Amount of TA required as per the entitlement mentioned in this brochure (only for AICTE approved college teachers):

Please register me for the course on “Green Infrastructure” to be held at IIT Kharagpur.

Place:

Date:

Signature of the applicant

