

PROFORMA FOR APPLICATION

AICTE Staff Development Programme on
HYDROPOWER AND THE ENVIRONMENT
(June 18-29, 2007)

1. Name (Block Letters):
2. Name and address of the Institute / College / University/Organisation:
3. Whether the institution is recognized by the AICTE:

YES / NO / NOT APPLICABLE

4. Address for Correspondence:

E-mail:
Mobile:
Fax:
Tel:

5. Experience in years:
Industry: , Teaching:

Signature of the Applicant

6. Sponsorship Certificate:

Mr/Ms./Dr _____ is an employee of our institute / organization is sponsored to attend the AICTE sponsored SDP on HYDROPOWER AND THE ENVIRONMENT during June 18-29, 2007.

Signature
Name and Designation of sponsoring authority
with office seal

AICTE Sponsored



Staff Development Programme (SDP)

On

HYDROPOWER AND THE ENVIRONMENT

June 18 – 29, 2007



Coordinators

**JYOTHI PRASAD
H J SHIVA PRASAD**

Organised By

Department of Civil Engineering
**COLLEGE OF TECHNOLOGY,
G B PANT UNIVERSITY OF
AGRICULTURE & TECHNOLOGY,
PANTNAGAR-263145,
U S NAGAR DIST, UTTARAKHAND**

IMPORTANT DATES:

Last date for Receipt of
Filled up Applications: 05-05-2007

Communication to the
Selected Candidates: 15-05-2007

Confirmation of Participation by the Applicant:
25-05-2007

Course Duration: June 18-29, 2007

ADDRESS FOR COMMUNICATION

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H J Shiva Prasad
Coordinator, SDP on HE
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or

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NOTE

The application form along with the information brochure may also be downloaded from the websites.

<http://sdphe.tripod.com>
or
www.gbpuat.ac.in/news/campus.htm

OBJECTIVE

As we move into the twenty-first century, global economic prosperity is driving the consumption of energy to record levels, with electricity consumption anticipated to increase at rates faster than overall energy supply. The vast majority (80 per cent) of energy today is provided from thermal sources, i.e. coal, gas and oil; but there are growing global concerns regarding the lack of sustainability of these forms of energy that bring into question their use in a long-term energy strategy. Concerns over disruptive fossil fuel markets and uncertain pricing, the current decline of nuclear energy as a viable energy source and the significant environmental consequences of thermal energy sources have placed greater emphasis on sustainable energy policies that include the significant development of renewable energy supplies.

The largest source of renewable energy comes from a proven technology, **hydropower**. Hydropower is renewable because it draws its essential energy from the sun which drives the hydrological cycle which, in turn, provides a continuous renewable supply of water. Hydropower represents more than 92 percent of all renewable energy generated, and continues to stand as one of the most viable sources of new generation into the future. It also provides an option to store energy, to optimize electricity generation.

Uttarakhand is rich in natural resources like water and accordingly hydropower. The inherent technical, economic and environmental benefits of hydroelectric power make it an important contributor to the future world energy mix, particularly in the neighboring states. These states have a great and ever-intensifying need for power and water supplies and they also have greatest remaining hydro potential. Development is a basic human right, as few would deny. Energy policy makers must meet their responsibility in exploring the most

rational options for meeting the energy needs of the developing world, while protecting the environment to the maximum possible extent

COURSE OUTLINE

- Introduction of Hydropower
- Advances in Hydropower
- Environmental Aspects
- International Experiences
- Environmental Management
- Hydropower Management
- Group Discussion and Interaction
- Hydropower Plant Visits

ELIGIBILITY

The course is meant for sponsored young faculty members of Engineering Colleges/ Technical Universities/ Polytechnics and Other Institutions approved by the AICTE. Faculty members working in Private / Public / Government Organizations / Industries, Scientists / Engineers in R&D establishments are also eligible to apply for participation at a fee of Rs. 2000/- to be paid in the form of a crossed Demand Draft towards their non-refundable registration fee, course materials, mid session tea, snacks etc.

RESOURCE PERSONS

Faculty members from GBPUA&T and the guest resource persons from other premier Institutions like Indian Institute of Technology, National Institute of Technology's and other reputed Governmental organisations are invited to deliver lectures.

ABOUT THE UNIVERSITY

The G B Pant University of Agriculture and Technology is the first state agriculture university established in India during the year 1960. It has well established infrastructures with modern facilities. The university is located at Pantnagar near to hill station Nainital and is

about 250 kms from Delhi by road. The weather is warmer at Pantnagar during June and stay will be very much enjoyable in this location, which is rich in flora and fauna.

The **College of Technology** is one among the 10 constituent colleges of the university and imparting technical education with ten departments namely Civil, Mechanical, Electrical, Electronics and Communication Production, Computer, Information Technology, Post Harvest Process & Food, Farm Machinery and Power, Soil and Water Conservation, and Irrigation and Drainage Engineering

COURSE FEE

No course fee will be charged from the faculty members of AICTE recognized Engineering Colleges / Polytechnics / Institutions. All other participants have to pay a participation fee of Rs. 2000/-.

MODE OF PAYMENT

All payments should be made by a crossed demand draft in favour of "**Coordinator, SDP on HE**" payable at Pantnagar on Punjab National Bank (PNB Code No 4446) or State Bank of India, (SBI Code No 1133) or UCO Bank (UCO Code No 0678).

TADA AND ACCOMMODATION

All selected participants from the AICTE recognised Engineering Colleges/Technical Colleges/Universities/Polytechnics, to and fro journey TA will be reimbursed by the shortest route **limited to 3 AC train fare and DA will be paid as per AICTE norms**. Arrangement will be made to accommodate all the participants in the Lambert Square / IGH guesthouse on twin sharing basis at University campus.