

AMITY INSTITUTE OF ENERGY & ENVIRONMENT

(An Institution of Amity Energy & Environment Foundation)

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Dated 22st Feb. 2006

Sub: *Preparatory course for 'National Certification Examination' for Energy Managers & Energy Auditors.*

Dear

We have great pleasure in introducing Amity Institute of Energy and Environment which is a premier Institute in this area of activity and is a part of the Amity Universe. Amity as you know is a conglomerate of 70 Institutes of higher education and is presently having 2500 faculty and running 130 programmes. We have highly qualified faculty (internal as well as external) and have been conducting several workshops and seminars and during the last couple of years. The list of topics covered and proposed to be covered during the course and seminars / workshops held so far are enclosed as **Annexure-I / II**.

Last year we had conducted two programmes for preparing the students for the accreditation examination. We wish to repeat the same exercise this year also. We are enclosing an announcement which you may kindly widely circulate amongst your officers and Engineers who wish to take up this examination this year. The examination is being held by National Productivity Council on behalf of Bureau of Energy and Efficiency on 22nd and 23rd April, 2006 at various centres in the country.

The participation fee is Rs.5000/- per participant which includes cost of literature, mid term tea and lunch. The amount may be sent by local cheque / DD in favour of 'Amity Institute of Energy & Environment, New Delhi'. The classes will be held at E-25, Defence Colony, New Delhi from **21st March 2006 to 25th March, 2006 (10 AM to 4 PM)**. Incidentally we are in touch with PCRA, BEE, NPC and several other organizations from whom we hope to get panel of experts to address the participants, besides our own qualified and highly competent faculty.

It is requested that nomination of the aspirants/participants may kindly be sent to this Institute to reach by **10th March, 2006**.

Regards,

Yours sincerely,

(S.K.Chawla)

Encl: As above.

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22nd Feb. 2006

ANNOUNCEMENT

Sub: Preparatory Classes for National Certification Examination for Energy Managers and Energy Auditors.

The next **National Certification Examination for Energy Managers and Energy Auditors** shall be conducted by National Productivity Council on behalf of Bureau of Energy Efficiency on 22nd and 23rd April 2006. The detailed information and admission form, etc. is available at Website www.bee-india.nic.in.

In order to provide the **basic inputs** on Energy Management and Energy Audit to the personnel working in commercial units having a sanctioned load of more than 500 KW or consuming more than 30,000 tones of oil equivalent per year, the Amity Institute of Energy & Environment shall be conducting preparatory non-residential course of one week duration over working days starting **21st March 2006 (10 AM to 4 PM)**. The classes shall be held at **E-25, Defence Colony, New Delhi**. Besides, the people having experience as mentioned above the students who have taken up the final examination for their Bachelor's degree in Engineering shall also be benefited by these classes. The topics covered during the course will be as per *Annexure-I*.

We invite application from the interested participants who are aspiring to obtain accreditation in the area of Energy Management and Energy Audit. The participation fee is Rs.5,000/- per participant which includes cost of literature, mid term tea and lunch. The amount may be sent by local cheque / DD in favour of Amity Institute of Energy & Environment, New Delhi.

The last date of receipt of request for admission to this course is **10th March 2006**. For further details please contact **Shri S.K.Chawla, Addl. Director (Mob.9818094813)**.

(S.K.Chawla)
Addl. Director

Annexure-I

Amity Institute of Energy and Environment
SUBJECTS TO BE COVERED IN THE SYLLABUS

S.No.	Name of Course	Weightage (0-10)
1	Introduction to Amity and the intent of the course	1
2	Energy scenario and basic forms of energy	3
3	Electrical systems (Generation/transmission/distribution)	4
4	Project management	5
5	Global environmental Concerns	
6	Energy management and audit	6
	Material & Energy Balance	
	Energy Action Planning	
	Energy Monitoring and targeting	
7	Insulation & Refractories	4
8	Steam systems	5
9	Boilers (including FBC) and furnaces	5
10	Cogeneration	5
11	Principles of illumination, Energy performance assessment of lighting systems	8
12	Stoichiometry and combustion calculations	10
	Energy performance assessment of boilers and furnaces (stoichiometric calculations)	
13	Energy performance assessment of Cogeneration and turbines (gas & steam)	5
14	Energy performance assessment of Heat Exchangers	5
15	Energy performance assessment of Motors and VCDs	8
16	Fluid handlers and fluid handling systems	10
	Energy performance assessment of fans and blowers and air handling systems	
	Energy performance assessment of pumps and pumping systems	
17	Energy performance assessment of Compressors and compressed air systems	10
18	Cooling towers	4
19	Energy performance assessment of HVAC systems	5
20	Performing Financial analyses (some actual audit cases)	8
21	Waste Heat Recovery	4
22	Application of Non-renewable energy sources	1
23	Waste minimization & Resource conservation	5

Annexure-II

Amity Institute of Energy and Environment

List of Seminars, Workshops and Programmes held so far.

S/No.	Name of Programme	Date(s)
1.	Seminar on 'Energy Conservation Act 2001 Implication and Implementation'.	23-1-2003
2.	Energy Audit Programme	30-7-03 to 29-8-03
3.	Energy Audit Programme	11- 22 Nov.'03
4.	Wksp.-Power Reforms in India –Why, how and what?	20-8-04
5.	Wksp. -Coal and Electricity – the main stay of national economy (<i>Issues and Concerns</i>).	2-3 Sept '04
6.	Wksp.-Energy & Environment – an integrated approach for enhancing productivity.	15-17 Sept.'04
7.	Wksp.-Bio-fuels – latest trends in petroleum saving.	1-10-04
8.	Wksp.-Future Energy Options: Non-conventional sources of Energy.	14-15 Oct.'04
9.	Wksp. Changing face of Energy Sector	3-5 Nov.'04
10	Wksp - Energy Audit (<i>in collaboration with Petroleum Conservation Research Association - PCRA</i>)	22-24 Dec.'04
11	Wksp. - Energy Conservation Act 2001 – Implication & Implementation	11-3-05
12.	Preparatory Coaching classes for National Certification Exam for Energy Managers and Energy Auditors – 1st batch	11- 29 April '05
13	Preparatory Coaching classes for National Certification Exam for Energy Managers and Energy Auditors – 2nd batch	19-25 May '05
14.	Programme on “Renewables and Hydrogen Technology”	22-25 Nov.'05

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