


বিষয়ঃ জাতীয় পর্যায়ে এনডিটি প্রশিক্ষণ কোর্স আয়োজন।

প্রশিক্ষণ কোর্সের সংক্ষিপ্ত বিবরণ

Course Title & Duration	Course Fee	Application Deadline	Participant's Qualification	Age Limit
Ultrasonic Testing Level-1 16 July – 02 August 2018 (9:00 am – 5:00 pm)	Tk.10,000/- (Excluding TAX / VAT etc.)	28 June 2018	Minimum B.Sc. Degree (with one or more subject of the following: Physics/ Chemistry/ Mathematics/ Geology/ Statistics) or Diploma in Engineering from an affiliated institution of Technical Education Board	Maximum 45 years as on deadline

স্বাক্ষরঃ


20.08.2018

মোঃ ফারুক হোসেন চৌধুরী
প্রধান বৈজ্ঞানিক কর্মকর্তা ও
প্রধান, এনডিটি বিভাগ
এবং কোর্স সমন্বয়কারী

ফোনঃ ৯৬৬৯৮২৮।

ইমেইল : faruquephy@yahoo.com

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NDT Personnel Certification Committee

C/O Bangladesh Atomic Energy Commission
4, Kazi Nazrul Islam Avenue
Ramna, Dhaka-1000

Application Form for NDT Training Course

Photograph

Name of the Course: _____

Personal Particulars

Name : _____

Father's Name : _____

Present Address : _____

Permanent Address : _____

Date of Birth : _____

Nationality : _____

Telephone : _____ Fax : _____ E-mail : _____

Academic Qualification

(Please attach attested copies of certificates)

Examination	Institute	Year	Division	Subjects

NDT Qualification (if any): _____

(Please attach copies of certificates)

Enrolment in any NDTPCC Course: _____

(Please write the Registration No./ Certificate No.)

Employment Record

Organization	Position Held	Period	Duties

Work Experience : _____

(Attach separate sheet if required)

Course Fee Details

Payable to : Atomic Energy Centre, Dhaka

Amount : Tk. _____ (in words _____)

Bank Draft/ Pay Order/ Cheque No. : _____ Dated _____

Name of the Bank : _____

Any other information : _____

All information given in this form is complete and correct

Date : _____

Signature of Applicant : _____

Any wrong information will lead cancellation of the training facility and certification

(Part below is applicable for sponsored applicants)

(Name of organization)

nominates _____
(Name of the participant)

as a participant for the course on _____
(Name of the course)

to be conducted by the Bangladesh Atomic Energy Commission.

Course fee of Taka _____ has been paid through Bank Draft/ Pay Order/
Cheque No. : _____ Dated : _____

All information supplied by the nominee is correct.

Signature: _____

Name & Designation of

nominating officer : _____

Date: _____

Seal:

Application will not be considered unless course fee is paid at the time of application

Photocopy of this form is also acceptable



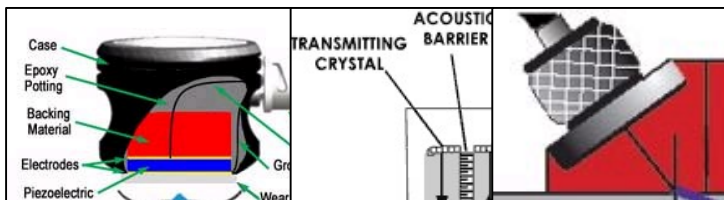
National Training Course



PROSPECTUS

Non-Destructive Testing Course on **Ultrasonic Testing Level-1**

16 July – 02 August 2018



Organized by

Bangladesh Atomic Energy Commission

in collaboration with

NDT Personnel Certification Committee

Purpose of the Course

Non-Destructive Testing (**NDT**) is the science of testing materials for hidden flaws without destroying it or impairing its serviceability. NDT can be used to:

- ❑ ensure structural integrity
- ❑ prevent accident to save environment and human life
- ❑ control manufacturing process to minimize wastage of time and material
- ❑ minimize unscheduled plant shutdown
- ❑ ensure product reliability and customer satisfaction

The Ultrasonic Testing (UT) is one of the indispensable NDT method commonly used for testing welded joints. This technique has a very wide range of applications in the quality evaluation of various industrial products and has an extensive use in erection and maintenance program of power stations, petrochemical industries, pressure vessels, turbines, ships etc. Ultrasonic testing is also used for different kinds of forged or cast products from a fraction of a centimeter to a meter of steel.

It is recognized that the effectiveness of NDT application depends on the capability of the persons who perform or are responsible for the test. For this purpose, the NDT personnel should be trained, examined and certified in accordance with national or international standard. Considering the above theme Bangladesh Atomic Energy Commission (BAEC) has taken up training and certification program in collaboration with “NDT Personnel Certification Committee (NDTPCC)” since 1986

Nature of the Course

The training course is organized in accordance with the standard IAEA syllabi comprising 50 hours of training for Ultrasonic Testing Level-I as specified in IAEA TECDOC-628/Rev.2, 2008 Edition "Training Guidelines in Non-Destructive Testing Techniques". This course covers both theoretical lectures and practical sessions followed by **formal examinations and certifications in accordance with International Standard ISO-9712:2012E** "General Standard for the Qualification and Certification of Non-Destructive Testing Personnel".

Course suitable for

All categories of personnel such as Inspectors, Engineers, Surveyors and Technicians who require a thorough and comprehensive knowledge on calibration of ultrasonic flaw detector, detection and evaluation of defects in materials, thickness measurement and corrosion monitoring can attend the course.

Course Contents

- ❑ Definition, application, advantage and limitation of NDT, Basic principles of various NDT methods like: Visual Inspection, Liquid Penetrant Testing, Magnetic Particle Testing, Radiographic Testing, Ultrasonic Testing, Eddy Current Testing etc.
- ❑ Basic manufacturing processes and its associated defects.
- ❑ Various welding processes and associated defects and their causes.
- ❑ Terminology and physical principles of ultrasonic, behavior of ultrasonic waves in material.
- ❑ UT techniques like pulse echo, through transmission and resonance.
- ❑ The flaw detector and probes, calibration and reference blocks.
- ❑ Flaw detection, determination of location and size; practical exercises on test specimen containing artificial and natural flaws
- ❑ Codes, specifications and standards in NDT.

Course Language

Course manual and language of instruction will be in English.

Course Duration

16 July – 02 August 2018 (9:00 am - 5:00 pm)

Participant's Qualification

Candidates should **not be more than 45 years of age** and have minimum qualification of Bachelor Degree in Science (with one or more subject of the following; Phy/Chem/Math/Geology/Statistics) or Diploma in Engineering from an institution affiliated with the Technical Education Board. Candidates having lower academic qualification (minimum H.S.C. in science) with 3 years practical experience in Ultrasonic Testing may also apply.

Liability of Organizer

While extreme care will be taken to ensure occupational safety, the organizers of the training course do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personnel property or from illness, injury, disability or death of a participant while he/she is traveling to and from or attending the course.

Application Procedure

The application should be submitted on the prescribed forms along with passport size photographs, attested copies of certificates, experience certificates etc. The application should be sent on or before the closing date to the following address:

Md. Faruque Hossain Chowdhury

Course Coordinator &

Head, NDT Division

Atomic Energy Centre, Dhaka

4, Kazi Nazrul Islam Avenue

Ramna, Dhaka-1000

Phone: 9669828

Fax: 58617946

e-mail: faruquephy@yahoo.com

Venue

Atomic Energy Centre, Dhaka

4 Kazi Nazrul Islam Avenue

Ramna, Dhaka-1000.

Last Date of Application

The last date of receiving application is:

28 June 2018

Payment of Course Fee

The course fee of Tk. 10,000/= (Taka Ten Thousands only) for each participant is to be paid **in advance** at the time of application. Payment should be made by Bank Draft/Pay Order in favor of **"Atomic Energy Centre, Dhaka"**. The course fee does not include any TAX/VAT, accommodation, TA/DA or food.