

# PRACTICAL HAND-ON TRAINING

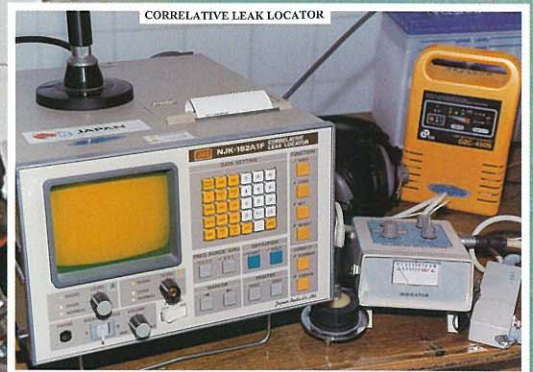
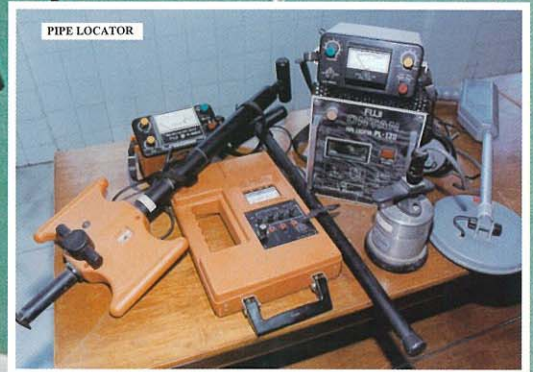
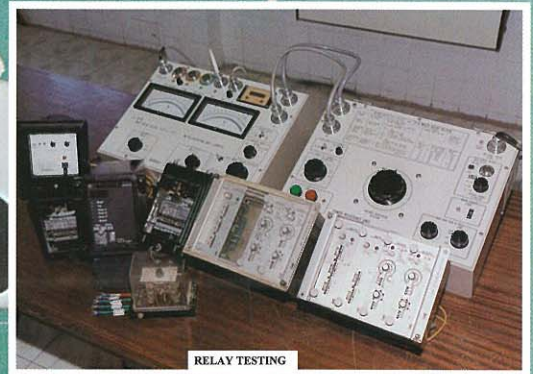
IN  
**Water Networks**  
(Design, Installation Operation Maintenance and Control)

**Drinking Water Quality**

**Electrical Equipment Measures,  
Protection, Testing and Maintenance**

**Mechanical Equipment Testing, Operation,  
Troubleshooting & Overhaul**

In Collaboration With  
**TECHNICAL TRAINING INSTITUTE  
MOSTOROD, CAIRO**



مكتب المستشار الوطني  
NATIONAL CONSULTING BUREAU

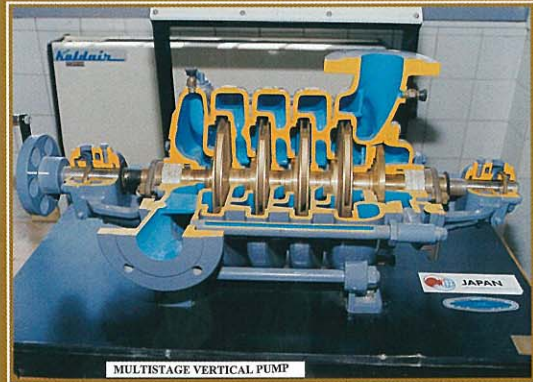




Technical Training Center  
Mostorod - Cairo



مكتب المستشار الوطني  
NATIONAL CONSULTING BUREAU



During the last few years business has changed dramatically. There is a growing commitment to competency based training in many parts of the industry and a recognition of the vital role training has in a fast moving technology.

Water power supply industry is not an exception. We at National Consulting Bureau work even more closely with our clients to find innovative solutions to complex training needs.

**NCB** now offers a vast range of PRACTICAL HANDS-ON Training Courses to answer our clients requirements:

In collaboration with the modern and fully equipped **TECHNICAL INSTITUTE** in **MOSTOROD - CAIRO**, NCB is able to provide a real learning experience. The following list of courses is just an example of how we can help in developing skills in your employees. Whether you would like to nominate one or a group, we will be pleased to arrange training courses at any date convenient to your schedule and work load. Contents of each course will be submitted to the client for review and approval. We will tailor and agree on the contents and duration to meet your specific training needs. Please have a look at the equipment and facilities pictures made available to successfully conduct our job oriented courses, presented by the Mostorod Training Center's highly qualified and professional instructors.



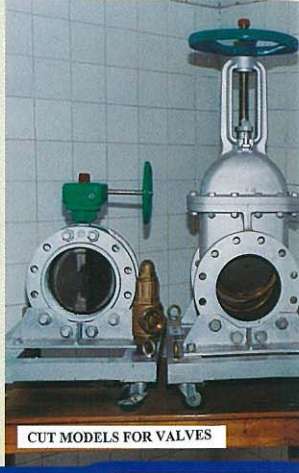
Introduction



TRANSFORMER & C.B. OIL TESTING



ATOMIC ABSORPTION



CUT MODELS FOR VALVES

## WATER NETWORKS

- Water Network Design & Analysis
- Operation and Maintenance of Waterworks
- Water Network Installation and Commissioning
- Water Losses and Pipeline Leakage Detection
- Water Meters Testing and Calibration
- Water Storage Tanks and Pumping Stations

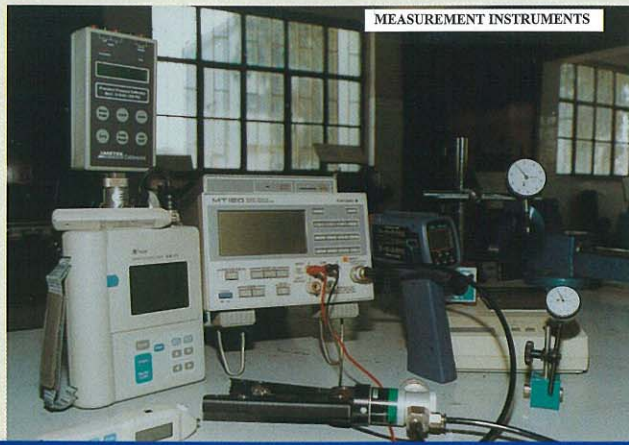
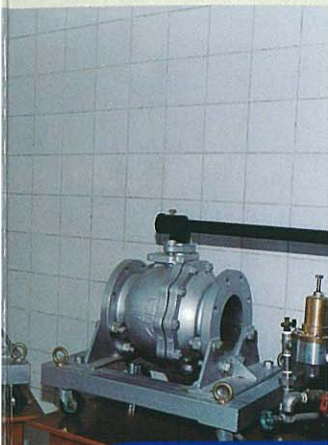
## WATER QUALITY

- Chemical Analysis of Drinking water (including Atomic Absorption and Spectrophotometry)
- Biological Analysis of Drinking Water
- Laboratory Equipment Maintenance and Calibration
- Safety in Laboratories

## MECHANICAL SKILLS

- Operation Testing and Maintenance of Valves
- Chlorine and Safety Systems
- Pumps Operation and Maintenance
- Pumps Testing and Drawing of Performance Curves
- Pumps overhaul
- Vibration Measurement and Analysis
- Shaft Alignment
- Welding Technology





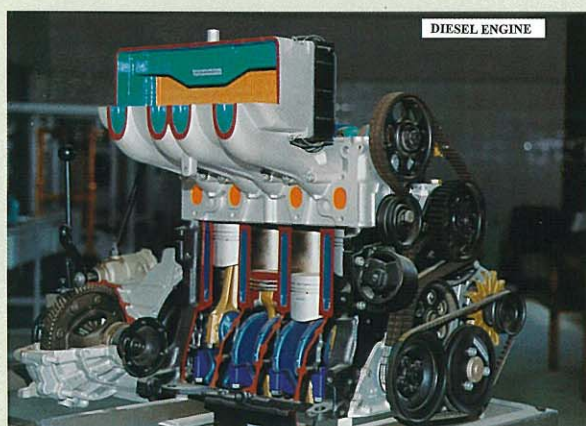
MEASUREMENT INSTRUMENTS



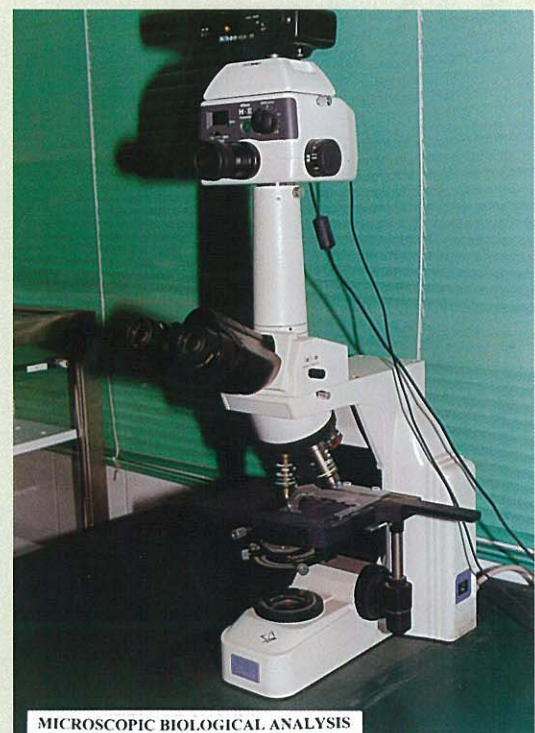
BACTERIOLOGICAL ANALYSIS

## ELECTRICAL AND CONTROL SKILLS

- Transformers Inspection and Testing
- Distribution Boards Components, Inspection and Maintenance
- Alkaline Batteries Charging and Maintenance
- Measurements and Instrumentation
- SCADA Application in Power Distribution
- SCADA Application in Water Distribution
- Electrical Instruments and Tests
- Motor Testing and Overhaul
- Protective Relay Testing
- Oil Withstand Voltage Testing
- Sequence Training Panel
- Circuit Breakers Testing
- LV & MV Electrical Safety



DIESEL ENGINE



MICROSCOPIC BIOLOGICAL ANALYSIS



## Registration Details

### Registration, Booking & Fees:

Please contact any of the NCB offices to get full details on the practical courses listed in this brochure.

Fees can be offered for tuition and practical training only OR it can include full accommodation upon request of the nominating organization.

### Tailored Courses:

NCB can tailor any of the practical courses listed or any other ones at any date and duration requested by the nominating organization based on participants education and experience background and the training objectives, knowledge and skills aimed at. This applies for one or more participants nominated in each course.

### Training Administration:

NCB fully supervise the training activities, cooperation in tailoring the course and preparation of course materials and the daily follow-up of participants. NCB also provide admin services such as daily transport, reception at airport and hotel reservation.

### Post Training Report:

NCB issue comprehensive report on the participants performance and organize practical and written tests as a quantitative measure for the progress achieved upon the request of the nominating organization.



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NATIONAL CONSULTING BUREAU

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# SECTIONED GATE VALVE

