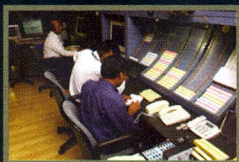


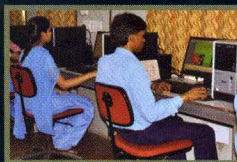
AAI update



New automation system in Chennai

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AAI moves to train urban slum youth

AAI & NIIT are setting up career development centres across India.

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AAI'S FIRE TRAINING CENTRES

Preparing fire fighters for emergencies

The training of aviation fire service personnel began in 1948 at CATC, Allahabad in the Civil Aviation Department. Subsequently with the increase in the training requirement, the training centre was shifted in 1954 to Narayanpur, near Dum Dum Airport, Kolkata and renamed Fire Service Training Centre, Kolkata. Fire Training Centre, New Delhi, was established in 1976 for International Airports Division to meet the specific training requirements of fire safety personnel for metro airports.

The Fire Training Centres have been delivering high quality fire fighting, rescue and emergency response training to airport rescue and fire service personnel of the Airports Authority of India (AAI) as well as fire service personnel of other private airport operators and industries. Foreign trainees,

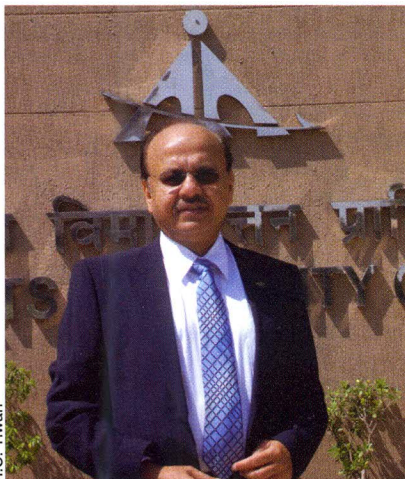
particularly from the SAARC and African countries, have also been participating in the training programme being conducted by Fire Training Centre, New Delhi and Fire Service Training Centre, Kolkata.

The objectives of the training programme are:

- To provide excellent rescue and fire fighting services in emergencies;
- Impart emergency response training for rescue while updating fire fighters on their professional skills and knowledge; and,
- To meet the deficiencies of trained fire personnel and upgrade professional skills and human behaviour in fire services

Fire Training Centres have been provided with Drill Grounds that have all facilities for conducting Pump Drill, Hydrant Drill, Crash Fire Tender Drill, Breathing Apparatus Drill, Rescue Drill, etc. and to evaluate performance like PET (Physical Efficiency Test) and PFET (Practical Fireman Efficiency Test). A Smoke Chamber has been provided on the Drill Ground for realistic confined space rescue and fire-fighting training. A separate parade ground is available for Squad Drills and Ceremonial Drills.

Classrooms are well-designed and



H.C. Tiwari

GIVING THE LEAD: AAI Chairman V.P. Agrawal (right) and (above) fire fighters photographed during a practice drill

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Radar networking and new automation system in Chennai

A new automation system and radar networking are being readied for the southern region. The system incorporates eight radars at Bengaluru, Bellary, Hyderabad, Mangalore and Trivandram and three radars at Chennai, which are interconnected. The state-of-the-art automation system is in an advanced stage of commissioning.

The automation system at Chennai will cater to the issues and challenges faced in the increase in traffic growth with enhanced safety and efficiency. It incorporates a flight data processing system (FDPS) capable of integrating ADS-C/CPDLC and surveillance data processing systems (SDPS).

The automation system, when fully installed, will equip the ATCO with:

- ☑ Processed flight plans;
- ☑ Means to monitor aircraft movements throughout the FIR;
- ☑ Ability to project future aircraft movements and predict conflicts

throughout the FIR;

- ☑ Information on conflicting aircraft movements throughout the FIR and flight progress strips; and,
- ☑ Integrated Radar, MLAT and ADS-B data and single display to the ATCO with safety features on Medium-Term Conflict Detection, Short-Term Conflict Alert, Approach Path Monitoring, Minimum Safe Altitude Warning for air traffic control purposes. The system is so robust that even in the case of SDP failure, the automation system supports through direct surveillance access mode.

Besides the above capabilities, the automation system also provides support services such as database management and adaptation system to store static data on the operational environment of air traffic control.

There is also a provision to record and replay the voice and data of all the activities of controller workstations simultaneously.

Typical Layout of the New Automation System

