

# AAI update



## SHILLONG AND BHOPAL TAKE OFF

New terminal building at Shillong and Bhopal airport inaugurated

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## INDIAN AVIATION ACADEMY LAUNCHED

Academy to become a global centre of excellence in aviation training

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Dr. Nasim Zaidi, Secretary, Civil Aviation (centre) with V P Agrawal, Chairman, AAI and Lee Zak, Director, USTDA and other AAI officials immediately after signing the MoU

**T**he Bilateral Aviation Safety Agreement (BASA) between India and the USA was recently signed by Dr Nasim Zaidi, Secretary, Civil Aviation and J Randolph Babbitt, Administrator, Federal Aviation Administration (FAA). The signing coincided with the visit of US Secretary of State Hillary Clinton to India. The signing took place in the presence of senior officers from the Ministry, DGCA, AAI from the Indian side and FAA and USTDA from the US side. Incidentally, the USA has signed BASA with 24 countries.

BASA will facilitate reciprocal airworthiness certification of civil aeronautical products imported/exported between the two signatory authorities. Indian standards would be comparable to global standards and its aeronautical products would be accepted by the US.

## INDIA TIES UP WITH US ON AVIATION SAFETY

The nascent aircraft manufacturing industry in India would be hugely benefitted and it would spur trade between the two sides. It would demonstrate that India has the capability to develop FAA certifiable aircraft

articles/appliances and would encourage the civil aeronautical products industry which will eventually lead to self-sufficiency in the sector.

BASA would encourage indigenous aircraft and aeronautical products industry and the US acceptance of Indian products will help their global acceptance. Perhaps, what is more important is that it would lessen the economic burden imposed on the aviation industry and operators by redundant technical inspections, evaluations and testing.

The next stage in Indo-US aviation relations will be signing the implementation Procedures for Airworthiness (IPA) that provides for airworthiness technical cooperation between FAA and its counterpart civil aviation authorities. The scope of the IPA can be enhanced from time-to-time.

The Civil Aviation Minister, Mr Vayalar Ravi, believes that “fulfilling the customers’ expectations” is the key to success in a service-oriented responsibility like running airports. Addressing the first-ever conference of airport directors organized in Delhi on June 16, 2011, Mr Ravi said: “Compete with the privately-managed airports... so that someone landing at Chennai or Kolkata airports (being modernised by the Airports Authority of India) can say they are as good as or better than Terminal-3 of the Delhi airport.” Mr Ravi said that officials must get on the shop floor so to speak or in other words not be office-bound but find time to connect with the passengers: “You have to see what problems the passengers and all your other customers like airlines are facing and find solutions,” he said.

The Civil Aviation Secretary, Dr Nasim Zaidi, also asked the airport

## FIRST-EVER AIRPORT DIRECTORS MEET



Chairman, AAI, V P Agrawal lights the inaugural lamp at the start of the conference.



## A BRAND NEW TERMINAL AT SHILLONG

The new terminal building at Shillong Airport — designed in keeping with the architecture of buildings in the city — was inaugurated on June 25, 2011, by Mr Vayalar Ravi, Union Minister for Overseas Indian Affairs and Civil Aviation, and Dr Mukul Sangma, Chief Minister of Meghalaya. On the occasion, Dr Vincent H Pala, Union Minister of State for Water Resources, Mr Abu Taher Mondal, Minister of Transport, Meghalaya, Mr P P Shrivastav, Member, North-East Council, Mr V P Agrawal, Chairman, Airports Authority of India along with other officials of AAI were present. A colourful cultural programme was organised by the College of Arts and Culture, Shillong, which made the gala ceremony a momentous one.

Mr Vayalar Ravi assured the audience of about 1000-odd that development work at the Shillong airport would be completed soon.

On the occasion, Chief Minister Dr Mukul Sangma handed over the deeds of

192.253 acres of land around the airport to Mr V P Agrawal. He praised the villagers for their selfless contribution towards development of the State. He felt proud to declare the contribution on unique and one that had made history not only in the country but also in the world.

Chairman, AAI, also urged the officials to expedite the works such as installation of Instrument landing System (ILS) and the extension of the runway so that aircraft of A321 type could also be operated from Shillong, which has a huge passenger potential. He emphasised the need of air-connectivity of this beautiful and land-locked state of Meghalaya with the rest of the country and the world for rapid economic growth of the nation. Mr V P Agrawal, Chairman and Mr S Raheja, Member (Planning), AAI, appreciated the works of project officials and all employees of Shillong, Airport for the completion of the task and the successful organisation of the inauguration ceremony.

The construction of the new terminal building was undertaken by AAI at an cost of about ₹30 crore with a target to complete it within three years; but it was possible to finish the task before the due date owing to the commitment of the AAI officials and staff. The members of the AAI family are proud of this remarkable achievement.

The new terminal building is equipped with the state-of-the-art equipment such as explosive trace detectors, baggage X-ray machines, conveyor belts and close-circuit cameras. In addition, there are six check-in counters and a complete security-hold area. Separate blocks have been created for arrival and departures along with a modern medical inspection room. The runway of 6,000 ft will be lengthened to 7,500 ft and will have a strength of PCN (Permanent Classification Number) 54 to cater to operations of A321 type of aircraft. The installation of ILS on Runway 22 is already underway.

managers to reorient their functioning to meet the new competitive challenges. Maintaining that ₹1.35 lakh crore would be required over the next decade for a massive upgrade and development of aviation infrastructure across the country, he said both government and private investment would be needed. "In future, there could be more than one airport in some cities. Therefore, the AAI and airport managers have to reorient their functioning to meet this competition," he said.

Noting that the country was projected to have 400 million air travellers and over 1,000 aircraft in the next ten years, Dr Zaidi said the AAI had earmarked ₹12,000 crore for the 11th Plan period to modernise airports. The Secretary also stressed on the need to hike income from non-aeronautical revenues. He also said that while pricing services at major airports was determined by the Airports Economic

Regulatory Authority, in the near future each airport would have their own pricing mechanism and the government would lay down the standards they should maintain. "This would depend on the nature of air traffic flow in each airport," he said, adding all airports would have to maintain their ratings in service standards or face "serious penalty clauses". Dr Zaidi said broad policy parameters to this effect and a "new regime" of safety and security would be evolved soon.

The Secretary also asserted that the government would keep a close watch on the health of the AAI, which would have to raise enough resources to meet the growing demand for large-scale modernisation of airports, communication, navigation and air traffic management systems.

AAI Chairman V P Agrawal said airport managers in India would have to compete with the best in the world as the

best airports were situated in the Asia-Pacific region. While huge investments would be made over the next few years to improve and expand aviation infrastructure, he said that the airport directors would have to learn to market their airports to customers as was done the world over. Mr Agrawal also asked the AAI to devise innovative methods to maintain the plush new terminals which have come up in various states in the recent past.

The conference, an initiative of AAI Chairman, Mr V P Agrawal was aimed to focus attention on the various issues confronting the AAI-run and managed airports across the country. "We are one team and we believe it will help us to learn from each other's experience, outline our best practices and collectively find solutions to the issues that come up from time to time," said Mr Agrawal explaining his decision to hold the conference.



Dignitaries at the inauguration of Bhopal's Raja Bhoj Airport New Integrated Terminal Building

Mr Vayalar Ravi, Union Minister of Overseas Indian Affairs and Civil Aviation, inaugurated the New Integrated Terminal Building at Raja Bhoj Airport, Bhopal, on June 28, 2011. Mr Rameshwar Thakur, Governor of Madhya Pradesh, was the Chief Guest and Mr Shivraj Singh Chouhan, Chief Minister, Madhya Pradesh, presided over the function. Mr Kamal Nath, Union Minister for Urban Development, and Mr Kanti Lal Bhuria, Union Minister for Tribal Affairs, were guests of honour.

Built at a cost of ₹135 crore, the new Integrated Terminal Building has an aesthetic structural shape in a curvilinear form. With its total area of 26936 sq m and a provision for future expansion, the

## BHOPAL'S RAJA BHOJ AIRPORT OPENS AMIDST FANFARE

terminal is sleek and artistic and encompasses all modern facilities. The salient features of the building are 14 check-in counters, 10 immigration counters, four Customs counters, six security check X-ray machines, two escalators, enhanced parking facilities

for 700 cars and 20 buses and apron. The state-of-the-art building has all modern user-friendly amenities such as childcare room, smoking room, etc. The apron has been constructed to accommodate 13 aircraft. The runway has been extended to 9,000 ft. to facilitate operation of bigger aircraft.

Speaking on the occasion, Mr Vayalar Ravi mentioned that the new Integrated Terminal Building with a peak hour handling capacity of 700 pax was being inaugurated to mark 100 years of civil aviation in the country. This would help enhance the connectivity within the state as well with other parts of the country and destinations abroad. It would also help boost economic activity. The Minister also mentioned that to provide a push to the development of infrastructure, AAI had embarked upon a plan to develop airports across the country. In fact, he also said that Indore was also getting ready to be inaugurated soon.

Earlier, welcoming the dignitaries Mr V P Agrawal, Chairman, Airports Authority of India, mentioned the salient features of the new facility and thanked the state government for making available the land for the development of the airport. He further elaborated AAI's plans for development of other airports in the state i.e. Indore, Jabalpur and Khajuraho.

The newly inaugurated facility became operational from July 1, 2011.

## INDIAN AVIATION ACADEMY AIMS FOR EXCELLENCE

The recent changes in the aviation environment have resulted in greater business complexities, as far as the business is concerned. In such a scenario, effective and constructive interaction between individuals and groups has been found useful for the overall development and growth of an organisation. To meet this challenging task, Indian Aviation Academy has been set up under the aegis of National Institute of Aviation Management and Research Society (an autonomous body) with Airports Authority of India (AAI), Director General of Civil Aviation and Bureau of Civil Aviation (BCAS), as stakeholders to become a global centre of excellence in aviation training and research-related activities.

NIAMAR was registered as a society under the Society Registration Act XXI of 1860 (vide Registration No. S/RS.SW/0043/2010) on July 22, 2010, pursuant to the decision taken at the 136th Board Meeting of AAI. Today, the Indian



Aviation Academy (erstwhile National Institute of Aviation Management and Research — NIAMAR), has turned into a premier training institute

conducting courses in all technical and non-technical disciplines of Airport Management. Non-scheduled programmes are also organised to cater to the needs of various functional departments of AAI.

## ICAO FELLOW PROGRAMMES

During 2010-2011, ICAO — India Fellowship Programmes for Developing Countries were held. Under an MoU signed between AAI and ICAO, two programmes were conducted from December 6 to 10, 2010, and December 13 to 17, 2010, respectively.

Apart from AAI officials, six fellowships in each of above training programmes were offered to participate from developing countries such as Bangladesh, Nigeria, Zimbabwe, Mauritius, Saint Lucia, etc.

The Indian Aviation Academy will be conducting two ICAO-India Fellowship programmes for developing countries in July and August 2011.

In 2010-2011, the academy had conducted 96 training programmes where 2177 persons were trained. A dozen programmes on Dangerous Goods Regulations (Basic) and (Refresher) benefitting 153 participants were held. Similarly six training programmes were conducted by the academy on ab initio course for Airport Managers, ICAO-STP Course on Bird Hazard Control Management Part-I & II, Airside Operations Management & Induction Course for Airport Directors/Airport Controllers.

A common training calendar of the Indian Aviation Academy for the year 2011-12 containing details of training programmes to be conducted by the stakeholders i.e. AAI, DGCA and BCAS has been brought out. The list has also been uploaded on the website of AAI: [www.aai.aero](http://www.aai.aero).



A-SMGCS (Advanced Surface Movement Ground Control System) in Chennai will keep vigil

A-SMGCS brings the movement area of the airports under electronic scanning to provide the ATCO with details of vehicle and aircraft movement on the airside of the airport for better surveillance, control, routing and control of airside ground movements.

A typical A-SMGCS includes Surface Movement Radar (SMR) Sensor, Multilateration (MLAT) Sensors, vehicle transponders called squids and a Central Processing System (CPS).

MLAT is a multilateration sensor that receives positional data of vehicles fitted with vehicle transponders in the manoeuvring area and presents an integrated display of the airside of the airport to the tower controller with aircraft/vehicle identification and their

location through the CPS. In an A-SMGCS environment, all vehicles like fire tenders, jeeps, etc. need to be fitted with transponders. However, SMR assists MLAT by providing data on the presence of vehicles and aircraft that are not fitted with transponders.

The salient features of A-SMGCS are:

- The A-SMGCS provides a display to controllers with the uninterrupted identification of all suitably-equipped aircraft and vehicles on the manoeuvring area.
- In conditions of restricted or reduced visibility, the benefits of the system become more apparent, allowing the controller to be completely sure of the position of aircraft and vehicles.
- In addition, the system enhances

safety, alerting the controller by detecting potential conflicts on the runway.

- The A-SMGCS uses multilateration technology to provide accurate surveillance and identification of all aircraft and transponder-equipped vehicles on the airport surface while the Surface Movement Radar (SMR) usually assists the multilateration (MLAT) system by detecting any non-transponder-equipped aircraft or vehicle.

Range of SMR from 0 to 5 NM, Height from 0 AGL to FL030, Azimuth 360°.

The key benefits of the system are:

- ✓ Reduction in airside accidents
- ✓ Reduced runway incursions
- ✓ Reduction in taxi-time
- ✓ Increase in throughput
- ✓ Reduction in weather delay, and
- ✓ Improved situational awareness in all-weather conditions

In Chennai, two surface movement radars and 13 MLAT sensors are installed at strategic locations. 40 vehicles on the airside are fitted with vehicle transponders and the display of the A-SMGCS system is provided to the Tower Controller. The A-SMGCS is a pioneer project installed in Chennai awaiting DGCA clearance for commissioning.