WIKILEAKS AND INDIA'S INTERNAL SECURITY: A VIEWPOINT

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SP's		AN SP GUIDE PUBLICATION
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Estimated stockpiles of nuclear warheads that are deployed or in storage





12.000

Cover:

On March 11, Japan was hit by an 8.9 magnitude earthquake, followed by a devastating tsunami which struck the Fukushima Daiichi nuclear plant. Fears of radiation have consumed the international community and raised the issue of nuclear safety and security.

Cover Image: Anoop Kamath

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India a regional power, every which way.... cricket included

t the time of writing this, the nation has been agog with the mega World Cup cricket clash at Mohali between arch rivals India and Pakistan. The stakes are high and beyond cricket. One interesting aspect of this edition of the World Cup cricket contest has been that the three major countries in the region – India, Pakistan and Sri Lanka are to stamp their supremacy in cricket. For India which is emerging as a major regional power, the victory at Mohali will have a bearing on the nation's psyche.

From a security viewpoint, the city of Mohali has been turned into a veritable fortress with a strong posse of police personnel and commandos from the Special Protection Group (SPG) and the National Security Guards (NSG) monitoring the pre and post-event happenings. Security at sporting events and games are so integral to the events nowadays.

While the two cricketing nations are going to battle it out, in the region Japan has been hit by a massive earthquake and a tsunami leaving the country devastated. While over 10,000 people are reportedly dead in the natural disaster, the fallout of the accident at the Fukushima Daiichi nuclear plant has become a major international concern. The International Atomic Energy Agency (IAEA) has rated the Fukushima nuclear plant incident at level 5 which translates into an accident with wider consequences. Chernobyl accident of 1986 was at level 7, a major accident in which 56 persons died. Though nuclear accidents have not resulted in large scale deaths as in coal mining or other industrial disasters, the concern over radiation fall-out remains high. In the light of this, countries, including India, are seeking a total review of the safety and security of nuclear power plants. The Prime Minister, Dr Manmohan Singh has categorically assured that there would be transparent auditing of the nuclear power plants in the country.

In this issue, we have an interesting article on the different applications of unmanned aerial vehicles (UAVs). No longer solely for military use, UAVs have increasing potential for civilian and commercial applications, particularly with regard to emergency response and relief efforts. They can be used for environmental research, law enforcement, border surveillance, search and rescue operations, damage assessment, and recovery efforts following natural disasters

On internal security, the Wikileaks cables on India have raised a furore in the country on many counts. Air Marshal (Retd) B.K. Pandey writes about the deleterious effects of the cables and the different perspectives to some long standing issues related to India's internal security.

Lt General (Retd) Katoch in his fortnightly viewpoint mentions how policy changes at the Defence Ministry have been a setback to net-centricity with Military Survey been moved out from the Directorate General of Information Systems (DGIS) and reverted back to Military Operations.

As the security scenario unfolds in a dynamic manner, SP's M.A.I. endeavours to be in sync with the developments, updating information on a fortnightly basis. We do look forward to your feedback.



Publisher and Editor-in-Chief



Raytheon bags contract to protect defence internet communications

aytheon BBN Technologies, a wholly owned subsidiary of Raytheon Company, has been awarded \$1.9 million in defence research funding to develop safeguards for military Internet communications abroad.

The award, issued by the Defense Advanced Research Projects Agency, is in support of the "safer warfighter communications programme" or "SAFER" The goal of SAFER is to develop technology that enables protected, resilient Internet communications for warfighters deployed overseas.

Raytheon BBN Technologies proposes a solution that incorporates several innovative approaches, including novel routing and packet delivery techniques and new methods to increase security.

"Raytheon BBN Technologies is focused on developing capabilities that will thwart intense Internet traffic monitoring and protect our warfighters' communications while abroad," said Josh Karlin, Project Lead, Raytheon BBN Technologies. "Our new technology for SAFER will support applications such as instant messaging, electronic mail, social networking, streaming video, Voice over Internet Protocol, video conferencing, and other media."

Lockheed Martin delivers 8,000th combat computing unit to US Navy

ockheed Martin recently delivered the 8,000th AN/UYQ-70 combat console suite to the US Navy, marking a key milestone for a system that is currently installed on 90 per cent of the Navy's commissioned ships.

The milestone Q-70 system will be installed on the USS Min-

CAE wins contracts in over 10 countries

AE has been awarded a series of military contracts in over 10 countries and valued at approximately C\$100 million, including: a contract with the US Navy to build P-3C training devices for the Taiwan Navy; a contract with the US Navy to perform a major upgrade on an MH-60S operational flight trainer; subcontracts from Lockheed Martin to provide maintenance and support services for several C-130J customers; and contracts with both Canada's Department of National Defence and Defence Research and Development for a range of professional services and e-learning courseware.

"The US Navy continues to be one of CAE's largest customers, and we are pleased to have won contracts over the past couple months involving platforms such as the MH-60R, MH-60S and P-3C maritime patrol aircraft," said Martin Gagne, CAE's Group President, Military Products, Training and Services.

nesota (SSN 783) Virginia-class submarine to upgrade combat control and navigation systems. It is a command workstation that permits operators to display combat control and navigation decision data onto high definition displays located in the command and control center, providing real-time situational analysis.

"Through 8,000 Q-70 deliveries, we have provided a highly standardised computer infrastructure that has reduced unit cost to the Navy by 70 percent since the inception of the programme," said Mike Feeley, Vice President of C4I Programs for Lockheed Martin's Undersea Systems business.

Cobham awarded Boeing contract for small diameter bomb racks

obham has been awarded a contract from Boeing to manufacture more than 400 units for the seventh production lot of BRU-61/A weapons carriage system capable of supporting the US Air Force's small diameter bomb (SDB) programme. To date, Cobham has supplied more than 1,400 carriages in support of worldwide operations.

The BRU-61/A is used by the Air Force's F-15E jet fighter to carry four SDB precision strike munitions, increasing the aircraft capability per sortie. The BRU-61/A utilises pneumatic ejection technology to release the SDB using compressed air rather than pyrotechnic cartridges, as per older weapons carriage systems.

"The BRU-61/A is a much safer system that requires significantly less logistical support, maintenance and repair when compared with legacy systems," said Iain Gibson, President of Cobham Mission Equipment.

The BRU-61/A carriage system is the first pneumatic multistores carriage system to enter service with US aircraft and represents the latest design in pneumatic ejection systems. It has been successfully employed in combat on the F-15E fighter as part of the SDB weapon system, providing close air support for ground troops operating in Iraq since in October 2006.





Navantia launches fourth maritime action ship for Spanish Navy

he San Fernando-Puerto Real Shipyard has recently launched the fourth maritime action ship "Tornado" P-44 for the Spanish Navy. The ship has been christened by Cristina Garmendia, the Spanish Innovation and Technology Minister, with the ceremony also being attended by Carmen Chacón, the Spanish Defence Minister, the Chairman of SEPI, Enrique Martínez Robles, the Chairman of Navantia, Luis Cacho, as well as the Spanish Navy's highest authority, Admiral Manuel Rebollo García.

The ship is the fourth of an initial series of four that Navantia is building for the Spanish Navy in line with the order signed on July 31, 2006 and which it is going to be followed by a new series of five units. This ship is expected to be delivered by the middle of 2012.

Arjun tank inducted, T-55 retiring

ndia's indigenous Arjun main battle tank (MBT) was recently inducted into the Indian Army's 75th Armored Regiment. The induction was at a military base in Jaisalmer on the occasion of the 39th anniversary of the 75th Armored Regiment.

Lt. Gen. A. K. Singh, Commander-in-chief of the Southern Command, inducted the tank. With this induction, the Russian T-55 tanks will be retired. An advanced Arjun version, the Mark II, will roll out in 2014. In May 2010, the army placed another order for 124 of the units after its original order for the same number.

The Arjun is made by Heavy Vehicles Factory at Avadi. The tank measures just less than 33 feet long and 12 feet wide and weighs around 58 tons. An MTU 838 Ka 501 1,400 horsepower diesel engine gives it an operational range of 280 miles with a speed of 45 mph on roads and 25 mph cross-country.

Tiruchi ordnance factory develops new assault rifle

he Ordnance Factory of Tiruchi (OFT) has designed and developed an indigenous assault rifle matching the specifications of the AK-47. The rifle is being named Trichy Assault Rifle.

"When put into use by our armed forces and other security agencies, the rifle will be recognised as pride of India. It has been indigenously developed and has all the features of AK-47," said A.K. Prabhakar, General Manager, OFT. Field trials have been done for the 7.62mm caliber rifle with a range of 400 metres.

DRS to provide aerial delivery systems for Embraer KC 390

RS Defense Solutions has been awarded a contract by Embraer S.A., located in São José dos Campos, São Paolo, Brazil, for the design, development, testing, production, and after-market support of the KC-390 cargo handling and aerial delivery system (CHS/ADS).

Embraer was awarded the KC-390 design and development contract by the Brazilian Air Force in April 2009. The KC-390 is a fixedwing transport aircraft under development for the Brazilian Air Force launch customer and targeted customers around the world. As a medium- to heavy-class military transport aircraft, the KC-390 will perform troop and cargo



transport, aerial delivery, in-flight refueling and medical evacuations. The KC-390 CHS/ADS is one of the five major aircraft subsystems.

The KC-390 CHS/ADS will be integral to the aircraft cabin for transporting palletized cargo and rolling stock onboard the aircraft as well as performing various aerial delivery missions involving parachute extraction of cargo. The CHS/ADS will be comprised of an electrical pallet locking system, electronic load master control subsystem involving DO178 level A software certification, retractable guide-rails, invertible cargo rollers, tie-down devices, and other system components integrated into purpose-designed structural floor panels custom configured to meet stringent weight limitations.

Lockheed Martin rolls out first special operations MC-130J Combat Shadow II

ockheed Martin recently rolled out the first aircraft in a new fleet of MC-130J Combat Shadow IIs for the US Air Force's Special Operations Command (AFSOC).

Lockheed Martin is contracted to build 15 MC-130Js to begin replacing the current aging fleet. The US Air Force is authorised to acquire up to 20 MC-130Js against an approved requirement for 37.

"As the most flexible airlifter in the world, this new Combat Shadow configuration demonstrates the unmatched platform capability of the Super Hercules," said Lorraine Martin, Lockheed Martin vice president for C-130 programs. "As recent events around the world have yet again shown us, the C-130 is the world's first responder. The C-130J is performing today and will be ready for whatever the future holds."

The new aircraft is based on a KC-130J tanker baseline and will have the enhanced service life wing, enhanced cargo handling system, a universal aerial refueling receptacle slipway installation (boom refueling receptacle), more powerful electrical generators, an electro-optical/infrared sensor, a combat



systems operator station on the flight deck and provisions for the large aircraft infrared countermeasures system. In-line production of this configuration reduces cost and risk, and meets the required 2012 initial operational capability.

US missile strategy spans the globe

Policy, James N. Miller has said that the US's missile defence efforts focused on a few emerging threats and also spanned the globe.

Speaking at a missile defence conference, Miller said the US would continue to focus on Iran and North Korea as "threats" existed, particularly with the former having the largest inventory of ballistic missiles in the Middle East. Both nations' nuclear potential increases US strategic concerns about missile defense and other nations and nonstate actors also pose a significant threat. The approach will bring together sea, land and spacebased systems in four phases of deployment through 2020.

In Asia, the US is partnered with key allies including Japan, Australia and South Korea to enhance missile defense. Japan now has a layered ballistic missile defense capability that includes US tracking systems, interceptors, early warning radars and a command-and-control structure that integrates those technologies. China is a key component of security strategy in the Pacific, Miller said.

Airbus Military A400M completes low-speed take-off tests

he Airbus Military A400M has completed a challenging series of tests to determine the lowest speed at which it can take-off – known as minimum unstick speed or Vmu. During the tests, performed at Istres in France, the aircraft's nose was raised until a special 'bumper' fitted to the rear fuselage struck the ground at the maximum pitch-up angle of 13 degrees. In the close-up photo sparks can be seen flying from the bumper as it drags on the runway.

Air defence through "Akash" missiles

he Cabinet Committee on Security has cleared the indigenous Akash surface-to-air missile systems to enhance India's air defence system. The Indian Army will be going in for massive induction of Akash and the orders are re-

portedly worth over ₹14,180 crore. The Indian Air Force had earlier orderd eight Akash squadrons – six of them to be based in the North East – for ₹6,200 crore.

Developed by the Defence Research and Development Organisation (DRDO), the 25-km range missile system can carry a payload of 60 kg and has the potential to take on sub-sonic cruise missiles. Akash will replace



the obsolete Russian-origin Pechora, OSA-AK and Igla missiles. Bharat Dynamics Ltd (BDL) is planning to produce 500 missiles per year and with the first batch rolling out in the fourth quarter of 2012.





US Army building new 'F' model Kiowa Warrior

The US Army is beginning mission equipment upgrade modifications to its fleet of OH-58 Kiowa Warrior scout aircraft in an effort to build a new, high-tech "F" model helicopter designed with improved avionics, better sensors and stepped-up overall performance capability.

The first "F" model flight is slated for next year, said Lt. Col. Scott Rauer, Product Manager, Kiowa Warrior. The US Army plans to acquire 368 "F" model OH-58s, an aircraft which comes to life through a series of technical upgrades and changes to the current "D" model Kiowa. Presently, the helicopters have been busily performing a range of crucial missions in Iraq and Afghanistan to include light attack missions, general reconnaissance, improvised explosive device detection and convoy escort missions.

The "F" model Kiowa upgrade, which will ensure the aircraft's service life through 2025, includes a host of technical upgrades being performed by an government design house at Redstone Arsenal, Ala., and a handful of its industry partners to include Bell Helicopter, Honeywell and Rolls-Royce.

Embraer Defense and Security signs contract to buy OrbiSat

cent of the capital of the radar division of OrbiSat da Amazônia S.A. The deal, which is valued at \$ 28.5 million, is an important strategic step to increase the participation of Embraer Defense and Security in the Brazilian Defense System.

"OrbiSat has technology that few countries in the world master," said Luiz Carlos Aguiar, President of Embraer Defense and Security. "The synergy involved in this acquisition will bring important solutions for the development and manufacture of systems for monitoring and air defense, worldwide."

This sale implies the splitting of OrbiSat into two companies: one focusing on radar, which will be controlled by Embraer Defense and Security, and the other involved with electronic equipment, which will continue to be under the control of the former owners.

Selex Galileo bags contract to provide 250 star trackers

Selex Galileo, a Finmeccanica Company, has been awarded a contract to provide approximately 250 star tracker attitude sensors for the Iridium Next programme, Iridium's next-generation satellite constellation estimated to launch in 2015.

Fabrizio Giulianini, Selex Galileo CEO, said "This contract represents a major success for Selex Galileo. It recognises the company's leadership in advanced space technology, and will strengthen our relationship with prime contractors in the space sector. The award for Iridium Next will allow us to develop a new type of star



tracker that delivers high performance at an even more competitive cost."

The Iridium Next constellation will include 81 satellites (66 operational low-Earth orbiting satellites to replace the current constellation; six in-orbit spare satellites and nine ground spares) that will gradually replace the existing Iridium constellation, providing continuous network coverage over the earth's surface. Thales Alenia Space is the prime contractor for the programme, responsible for the engineering, system integration and supply of the satellites.

Selex Galileo will develop three star trackers for each satellite for a total of 250. The star trackers will mount to the body of the satellites to determine the orientation of the satellite.



UAVs offer new tools for the emergency response arsenal



[By Kimberlie Nitti]

wildfire's thick black smoke blots out the sun, cloaking the area in a premature dusk. Glowing embers spiral up through the haze. A small camera-equipped aircraft skirts a wall of flames on a dangerous mission to record hot spots and track the fire's progression.

That is, it would be dangerous if an actual pilot was on board. But this is an unmanned aircraft, capable of venturing into areas too remote or deadly to risk human life. The pilotless plane, also known as an unmanned aircraft system (UAS) or unmanned aerial vehicle, transmits collected sensor data to emergency response teams on the ground that use the information to strategically allocate fire fighting resources.

No longer solely for military use, UASs have increasing potential for civilian and commercial applications, particularly with regard to emergency response and relief efforts. They can be used for environmental research, law enforcement, border surveillance, search and rescue operations, damage assessment, and recovery efforts following natural disasters. Ideal for situations where it's too dangerous or difficult to use manned aircraft, unmanned aircraft often cost less and can stay in the air longer — as long as four days without refueling.

"Resources are always at a premium in an emergency situation," said retired Los Angeles firefighter David Badgett. "Sometimes it's best to drop water with a manned helicopter. Other times it's better to send in a UAS for observation. Unmanned aircraft give incident commanders more options, so they can select the most appropriate tool for any given mission."

"When people hear about unmanned, remotely controlled planes, they tend to think of Predator drones in Afghanistan seeking out terrorist suspects," said Alan Jaeger, business manager for the Navy's Center for Asymmetric Warfare (CAW). "But there's great potential for this technology right here in our own backyard, especially with respect to fighting fires. We're working to determine how UASs can be used to save lives and prevent serious collateral damage during asymmetric events," Jaeger said.

"Connecting the UAS community with emergency response professionals, in this case firefighters, provides a unique environment for evaluating the potential of these technologies. Unmanned systems have saved lives and improved operations in combat situations," said Kyle Snyder, UAS operations director at Middle Tennessee State University's Aerospace Department.

The FAA is working to define UAS safety standards, policies and procedures, and contends that there are valid reasons for proceeding with caution. Typically smaller unmanned aircraft have struggled with system failures, computer glitches and human error, as well as lack collision-warning systems or transponders. In addition, the small size of many UASs makes them difficult to see, and adequate detect, sense and avoid technology is still years away.

FAA spokeswoman Alison Duquette said the main concern about UAS operations in the national airspace is safety. "It is critical that aircraft do not endanger other users of the [national airspace] or compromise the safety of persons or property on the ground," according to the FAA.

"The FAA places a temporary flight restriction on all manned aircraft whenever a large fire breaks out. The flight restriction establishes who can fly in the zone and under what guidelines," Badgett said. "Piloted emergency aircraft could be flying in the area along with UASs, and that concerns the FAA. In some circumstances, there are no manned flights at night, and that's been suggested as an optimal time to deploy unmanned aircraft."

The FAA is working closely with the UAS community to define operational and certification requirements, and aims to publish a proposed rule this year.

http://www.emergencymgmt.com/disaster/Unmanned-Aircraft-Emergency-Response-032411.html



Northrop Grumman ships broad area maritime surveillance fuselage

orthrop Grumman Corporation completed the first of three fuselages for the broad area maritime surveillance unmanned aircraft system (BAMS UAS) system development and demonstration (SDD) programme. The MQ-4C fuselage will undergo final assembly and system checkout at the company's Palmdale, Calif. facility ahead of its first flight next year.

"This milestone follows our successful critical design review held last month and shows we are on track to meet our demonstration objectives," said Steve Enewold, Northrop Grumman Vice President and Programme Manager for BAMS. "The second fuselage is under construction at our Moss Point facility and will eventually be part of our three-ship SDD test programme."

The Northrop Grumman BAMS UAS is a versatile maritime intelligence, surveillance and reconnaissance system to support a variety of missions. When operational, BAMS will play a key role in providing commanders with a persistent, reliable picture of surface threats, covering vast areas of open ocean and littoral regions, significantly augmenting the use of other manned assets to execute surveillance and reconnaissance tasks.

BAE Systems and Dassault Aviation sign MoU to develop UAS proposal

AE Systems and Dassault Aviation have signed a Memorandum of Understanding (MoU) to collaborate on the preparation and submission of a joint proposal to the UK and French Ministries of Defence for the design, development, production and support of a medium altitude long endurance (MALE) unmanned aircraft system (UAS). The MoU will enable the two companies to establish a framework to jointly pursue this long term business opportunity.

Kevin Taylor, Managing Director Military Air & Information at BAE Systems said: "A successful BAE Systems/Dassault Aviation solution will ensure that the UK and France maintain their status as leading providers of aerospace capability. It will also ensure that both countries get the best return on the investment they have made in state-of-the-art technologies and UASs. We have a strong team in place that is ready to develop the future frontline UAS capability required by both the UK and France."

Eric Trappier, Executive Vice President International at Dassault Aviation said, "BAE Systems and Dassault Aviation's joint experience and proven capabilities, together with an efficient co-operation process, allow us to offer a MALE UAS that will provide the UK and France with a cost-effective intelligent autonomous exploitation system to meet both countries' military requirements to schedule and within the budgetary constraints under which both governments will operate in future. We look forward to a swift development go-ahead decision from the two governments soon."

Army 'fusing' UAS sensors

The US Army is testing prototypes of a new high-tech synchronisation engine at Redstone Arsenal in Huntsville, Alabama, which can combine video feeds and sensor data from multiple unmanned aircraft systems on a single ground control station, service officials said.

"We are opening a gateway to information that we have never done before. Today, you can't switch between one stovepipe intelligence source to another that easily," said Tim Owings, Deputy Programme Manager, Army UAS.



Teal Group predicts worldwide UAV market at \$94 billion

The manned Aerial Vehicles (UAVs) have been the most dynamic growth sector of the world aerospace industry this decade, report Teal analysts in their latest integrated market analysis.

Teal Group's 2011 market study estimates that UAV spending will almost double over the next decade from current worldwide UAV expenditures of \$5.9 billion annually to \$11.3 billion, totaling just over \$94 billion in the next ten years. (For study availability look up *http::www.tealgroup.com/*).

"The UAV market will continue to be strong despite cuts in defense spending," said Philip Finnegan, Teal Group's Director of Corporate Analysis and an author of the study. "UAVs have proved their value in Iraq and Afghanistan and will be a high priority for militaries in the United States and worldwide."

The study suggests that the US will account for 77 per cent of the worldwide RDT&E spending on UAV technology over the next decade, and about 69 per cent of the procurement. "We expect that the sales of UAVs will follow recent patterns of high-tech arms procurement worldwide, with the Asia-Pacific representing the second largest market, followed very closely by Europe," said Teal Group senior analyst Steve Zaloga, another author of the 458-page study. "Africa and Latin America are expected to continue to be very modest markets for UAVs."

The eighth edition of the sector study, World Unmanned Aerial Vehicle Systems, Market Profile and Forecast 2011, examines the worldwide requirements for UAVs, including UAV payloads and companies, and provides ten-year forecasts by country, region, and classes of UAVs.

PHOTOGRAPH: NAS/

10 worst nuclear disasters in history

Chernobyl, Ukraine, 1986: The plant blew up when one of four reactors went into meltdown during an experiment. Around 200 people were seriously contaminated and 32 died within three months. More than 3,50,000 people were resettled. Contamination continues to be a problem. The accident was only revealed when a giant radioactive cloud was registered moving across northern Europe. INES level seven.

Kyshtym, Soviet Union, 1957: A cooling system failed, causing a non-nuclear explosion of dried waste. Around 10,000 people were evacuated after reports surfaced of people's skin falling off. The radiation is estimated to have directly caused the deaths of 200 people due to cancer. INES level six.

Three Mile Island, Pennsylvania, 1979: About 1,40,000 people were forced to evacuate their homes when equipment malfunctions, problems with the design of the reactor and human error led to a partial meltdown of a reactor core. Although it resulted in some contamination within the plant, nobody died or got injured. INES level five.

Windscale, Cumberland, 1957: The core of Britain's first nuclear reactor caught fire, releasing a cloud of radioactive material. The sale of certain produces from nearby farms were banned for a month. It was blamed for an estimated 200 cases of cancer in the UK, half of them fatal. INES level five.

Tokaimura, Japan, 1999: A batch of highly enriched uranium was wrongly operated in a precipitation tank, causing a radiation accident that killed two workers. Around 100 workers and local residents were admitted to hospital for exposure to radiation. INES level four.

Mihama, Japan, 2004: Four workers were killed and several others injured when radioactive steam leaked from a broken pipe. One of the three nuclear reactors at the plant shut down automatically.

Tsuruga, Japan, 1981: An estimated 278 people were affected by four successive leaks of radioactivity. It took 14 hours to shut down the site.

Western Siberia, 1993: An explosion at the secret Tomsk-7 plant in western Siberia released a cloud of radioactive gas. The number of casualties is unclear.

Chernobyl, Ukraine, 1995: Serious contamination was reported at Chernobyl during the removal of fuel from one of the plant's reactors. The incident was reported only after an apparent attempt to cover it up.

Tokaimura, Japan, 1997: Work at the experimental treatment was partially halted after a fire and an explosion exposed 37 people to radiation.

Airmen unload supplies and a forklift from a MC-130H Combat Talon II, at Sendai Airport, Japan on March 16, 2011. This is the first fixedwing aircraft to land at the airport since an earthquake and tsunami crippled much of the Japanese eastern seaboard on March 11.



[By R. Chandrakanth]



n March 11, Japan was hit by an 8.9 magnitude earthquake, followed by a devastating tsunami and the death toll in this tragedy has gone past 10,000. The tsunami in its sweep also hit the Fukushima Daiichi nuclear plant and the fears of radiation have con-

sumed the international community, though no deaths have been reported due to the nuclear disaster as yet.

The International Atomic Energy Agency (IAEA) which is monitoring the developments in Japan has said that the "situation remains very serious". For now, radioactivity in the environment, foodstuffs and water – including the sea – is a matter of concern in the vicinity of the Fukushima plant and beyond. Current levels indicate a need for further comprehensive monitoring.

The Director General of IAEA, Yukiya Amano has proposed a high-level IAEA conference on nuclear safety in Vienna soon to comprehensively look at:

- an initial assessment of the Fukushima accident, its impact and consequences;
- · considering the lessons that need to be learned;
- launching the process of strengthening nuclear safety;
- and strengthening the response to nuclear accidents and emergencies.

The Japanese disaster has raised the issue of nuclear safety and security and countries across the globe are seized of the matter. Germany immediately announced that it was taking seven of its 17 reactors offline for three months while the country reconsidered plans to extend the life of its nuclear power





plants. Switzerland also declared shut down of its nuclear power programme and has urged neighbouring France to do so in the border region.

Of the 19 nuclear accidents since 1961, the Chernobyl (Pri-

India assures nuclear plants are safe

n the aftermath of the Japanese disaster, the Nuclear Power Corporation of India Ltd (NPCIL) has assured that the nuclear plants in the country are safe and that there would be continuous safety reviews.

In a statement NPCIL said "Indian nuclear plants maintain the highest levels of safety as per international norms and have withstood major natural disasters in the past. The event of Japan will be reviewed in detail in due course as the detailed information becomes available. Resulting out of such a review, any reinforcement as needed in Indian reactors will be implemented."

The NPCIL operates 20 nuclear power reactors – as compared to 54 in Japan – with an installed capacity of 4,780 MW, including two boiling water reactors (BWRs) and the rest pressurised heavy water reactors (PHWRs).

Indian nuclear plants have proven their safety during the severe earthquake in Gujarat in 2001 when the Kakrapar Atomic Power Station continued to operate safely and sup-







pyat, Ukraine) accident of 1986 has been the worst having claimed 56 lives and causing over 4,000 cases of fatal cancer, the most so far. Over three lakh people were forcibly resettled away from affected areas soon after the incident as fears are that majority of them have been exposed to a comparatively high dose of radiation, and there's a possibility of developing cancer, leukaemia and DNA malformation in the next 10 to 40 years. The next accident was of 2004 at Fukui Prefecture, Japan which took five lives.

The Chernobyl nightmare was classified at Level 7 (major accident) by the IAEA's International Nuclear Events Scale (*see graphic above*) while the Fukushima accident was revised to Level 5 from Level 4, indicating the accident to have wider consequences. For decades, Three Mile Island and Chernobyl are reminders of nuclear power generation gone awry.

plied much-need energy to the affected regions, NPCIL added. Similarly, during the 2004 tsunami, which hit Tamil Nadu, the Madras Atomic Power Station was safely shutdown without any radiological consequences.

In a clarification the NPCIL Executive Director Nalinish Nagaich has taken exception to the article by columnist Praful Bidwai in which it is mentioned that India ran two of the world's most contaminated reactors. "A large number of Parliamentary delegates and nuclear experts of Nuclear States have visited our nuclear power station at Tarapur on various occasions and are impressed with the safety and overall performance of our reactors. Unit 2 of Tarapur Atomic Power Station is not only operating safely and satisfactorily, when on March 4, 2011, it was shut down for refueling. Indeed, such a sustained performance has been possible only with very high levels of safety."

The Executive Director further assures "The safety of nuclear power stations in India is continually assessed by knowledgeable experts.

The Prime Minister, Dr. Manmohan Singh also ordered an immediate technical review of India's atomic plants, if they can withstand the impact of major natural disasters.



Mohali turns into a fortress for India-Pak semi-final clash



The semi-final clash between India and Pakistan in World Cup cricket at Mohali is to be cracker of a contest. The two nations are going into the game with a whole lot at stake, not just cricket. Emotions are raging at feverish pitch and expectedly so. The Prime Minister Dr. Manmohan Singh and his Pakistani counterpart Yousaf Raza Gilani are going to be at the PCA stadium witnessing the mega cricketing clash, along with 28,000 other frenzied fans.

With the stakes running high, the multi-layer security in and around the stadium is the tightest ever and the city has been turned into a veritable fortress. Nearly 1,000 police personnel are guarding the hotel where the two teams are staying. Over 3,000 police personnel are on patrol in and around the stadium. And the SPG and NSG commandos are adding teeth to the security arrangements. Mohali has been declared as a "no-fly zone" and anti-aircraft guns have been deployed in full strength.

"The Chandigarh police are well-prepared to handle any kind of emergency situation. We have installed jammers which detect explosivesWe have requested the guests to inform us of their activity four hours in advance so that appropriate arrangements for their security can be made," said H.S. Doon, Superintendent of Police (Traffic and Security), Chandigarh. The intelligence gathering system has been working hard and undercover security personnel have fanned out the city.

Manipur Police inducts hovercrafts to deal with insurgents

anipur Police has inducted three hovercrafts, military assault boats from USA, into its Loktak Protection Force, thus becoming the first police force in the country to have military assault boats.

The Chief Minister of Manipur, Okram Ibobi Singh said that the air-cushion vehicle (ACV) would be used to flush out insurgents and also in conserving the fresh water lakes in the State. The Loktak lake has been used by insurgents to carry out antisocial activities in the valley.

The hovercrafts have each have a capacity to carry seven passengers and 10 different types of sophisticated weapons. The assault boats have a speed of 68 km per hour in water. The Chief Minister said, if necessary more hovercrafts would be purchased. The Loktak Protection Force was established with the twin objective of domination of the lake and for enforcement of the Manipur Loktak Lake (Protection) Act-2006.

The Director General of Police, Y. Joykumar said that the Manipur Police had become the first force to acquire high-tech military assault boats which even the Indian Army and other States had not acquired. The Loktak lake has been used by the insurgents to hide.

The Loktak Protection Force, with a strength of 200 personnel under the command of a Deputy Superintendent of Police, will start utilizing the hovercrafts for domination of the lake. The craft can be put into operation from 200 to 210 days a year, he added.

Surveillance cameras at Red Fort

he Archaeological Survey of India (ASI) plans to install an Emergency Response System (ERS) at Red Fort, considering the footfalls it gets on a daily basis and also of its importance.

The World Heritage site, built in 1639 by Mughal emperor Shah Jahan, will be the first site in India to have ERS comprising CCTV cameras and other digital paraphernalia to both manage the crowd and ensure greater security of the site and the visitors.

"We will try out the ERS at the Red Fort first and depending on the result, may replicate it at the Humayun's Tomb and Qutub Minar, both World Heritage sites in the city," according to B.R Mani, spokesperson, ASI.

TSA considering "identity-based" screening

The Transport Security Administration (TSA) of the US is considering "identity-based screening" and has asked for public comments on the proposed system. "Physical screening will likely never go away completely, but the idea of adding identity-based security makes good sense and it's an idea we're actively exploring," the department says.

The TSA is soliciting comments about a planned programme that would cut down on controversial pat-downs and full-body scanner searches at airports and instead rely on an "intelligence" system that focuses on people who have been identified as a threat.



Safeguard data security: ASSOCHAM

The government's proposal to have free access to all business electronic mails will undermine confidence among corporates, the Associated Chambers of Commerce and Industry of India (ASSOCHAM) has said while calling for guidelines to ensure that any access granted is lawful and the scope for misuse is removed.

"Granting sweeping access to all business communications is impractical and completely contrary to how businesses are conducted anywhere in the world," said D.S. Rawat, Secretary General of ASSOCHAM, in a letter to Kapil Sibal, Union Minister for Communications and Information Technology.

No company wants its infrastructure to be misused by terrorists, said Rawat. However, companies will be willing to cooperate in any investigation where interception sought is lawful and a clear case has been established of possible involvement in anti-national activity.

But conflicting signals about the use of encryption in modern businessto-business correspondence and its lawful access is one of the major concerns for global companies doing business in India. Foreign direct investment (FDI) inflows into India were 25 per cent down to US\$17 billion in April to January 2010-11 from US\$22.9 billion in the year-on period.

"Unfortunately, this lack of uniformity is confusing and counter-productive to India's goals of financial inclusion. The global standard today is 256-bit encryption and commercial enterprises in India should not be isolated and denied this level of security when other countries are moving in this direction."

The success of India's 76 billion dollar information technology and business process outsourcing industry is in many ways the backbone of country's global competitiveness. But unless companies outside India are assured integrity of their data will never be compromised, they will simply move business to other destinations like China, the Philippines and others, said Rawat.

India has over 11 million broadband users and 700 million mobile phone users. Emerging trends like electronic commerce (using internet) and mobile commerce (using mobile phones will increasingly become more pervasive in future.

Diat's cyber security course

he Defence Institute of Advanced Technology (Diat), a deemed university, is contemplating starting three new courses – cyber security; material engineering for defence and radar and communication – from the next academic year.

"The syllabus on cyber security will be formulated with advice from foreign experts, DRDO and Asian School of Cyber Law from Pune. We are venturing into these new avenues as Diat is a recognised campus interview centre of recruitment and assessment centre of DRDO," Diat Vice Chancellor, Lalit Patnaik, has said. Diat will also include in its existing disciplines, new emerging areas of nano technology applications in sensors for defence and civilian applications and in embedded systems, for medical, defence and civilian applications.

Study reveals high mobile phone loss

survey conducted by Norton reveals that 53 per cent of Indian adults have either lost their mobile phones or there has been a theft. However, only two in five Indians currently have a password protecting their devices.

Norton said that there is an imminent need for mobile protection with Indians having their phones lost/stolen an average of 1.5 times over the past five years. As annoying as it is to lose their mobile phones, 77 per cent of victims considered the loss of contact information the worst part of the experience and also a huge inconvenience. It is not surprising that 'anger' was the single most dominant feeling expressed by victims of mobile theft.



'Spectacular' cyber attack hits French government

The French finance ministry recently had to shut down 10,000 computers after a "spectacular" cyber attack from hackers using Internet addresses in China, officials and reports said. The hackers were hunting for documents relating to the Group of 20 (G20) developed and developing nations, which this year is led by France, said Budget Minister Francois Baroin. "We have leads," Baroin told Europe 1 radio, saying that what he called a "spectacular" attack was "probably the first time" that the French government's computer system had been hit on this scale.

President Nicolas Sarkozy is determined his G20 legacy will be the reform of the world financial and trade system, in order to iron out the imbalances that led to the recent global economic crisis. In order to win emerging nations' backing for his market and exchange rate regulation plans, he has put development aid and a world tax on financial transactions at the heart of his ambitious programme.

The attacks on the French finance ministry, which took place in December, forced the ministry to "significantly strengthen its security systems," said Dominique Lamiot, Secretary General of the Finance and Budget ministries.

Lamiot said around 100 computers in the ministry's central services division had been "compromised" in the attacks but individuals had not been targeted by the hackers.

"A maintenance operation has led to 10,000 computers being taken off line out of the 1,70,000 which the ministry runs," he said, adding they should be back online soon. He said hackers were interested in "international matters" rather than domestic documents.



AIR MARSHAL (RETD) B.K. PANDEY

A cable of 2005 states "India's over 150 million Muslim population is largely unattracted to extremism. **Separatism** and religious extremism have little appeal to Indian Muslims, and the overwhelming majority espouse moderate doctrines."

Wikileaks and India's Internal Security

stablished in 2006 and described as "an international non-profit organisation that publishes submissions of private, secret and classified media from anonymous sources", WikiLeaks has sent shockwaves around the world through disclosures of conduct by governments, their representatives or senior functionaries that could by some be regarded as "unethical". Although the stated mandate of the organisation was "primarily to expose oppressive regimes in Asia, the former Soviet Union, Sub-Saharan Africa and the Middle East", of the classified documents released, 2,50,000 pertain the lone superpower - the USA. Of these, over 3,000 are cables originated by the US Embassy in Delhi.

While some of the documents that contain communication on diplomatic channels may be of historical value, their contents could not only

be embarrassing but could have the potential to damage relationships, weaken strategic alliances or partnerships and create trust deficit between friendly nations. Understandably, the US thought it fit to forewarn India about the implications of WikiLeaks for the rapidly growing Indo-US strategic partnership.

Deleterious effects apart, some of the cables originated

by the US Embassy in Delhi provide different perspectives to some long standing issues related to India's internal security. A cable of 2005 states "India's over 150 million Muslim population is largely un-attracted to extremism. Separatism and religious extremism have little appeal to Indian Muslims, and the overwhelming majority espouse moderate doctrines." Undoubtedly a comforting thought, but the US perception runs counter to the belief of large sections of the Indian polity and media. A cable originated from London states "Terror training camps, though not directly run by the Pakistan government, continue to operate along India-Pakistan border creating potential for conflict with India and instability in the region". Other parts of the communication clearly reflect concern of the British

It's time to open the archive

government about the dispute between India and Pakistan over Kashmir and the imperative need for its resolution not only to improve internal security situation in India but more importantly to obviate the possibility of the large population of Pakistani Muslims in Britain falling prey to the lure of jihad. As India is sensitive to third party interest in Kashmir, it regards the British observation as "unwarranted interference in the internal affairs of the nation". As for jihadi designs against India, it is clear from the cables released that the Indian intelligence agencies were quite aware that some terrorist groups were actively exploring options for targeting India with bio-terrorism such as anthrax - a chilling thought indeed! Such information however, was never made available in the public domain in India.

A study of cables also reflects a dichotomy in perceptions amongst the political and bureaucratic

leadership of the country of the gravity of internal security threats and the approach that the nation ought to adopt. The most startling of the revelations were the serious differences between the Prime Minister Dr Manmohan Singh and the National Security advisor M.K. Narayanan on the approach the nation ought to adopt against Pakistan. The latter was clearly in favour of a hard line ap-

proach. The US diplomatic community in Delhi was of the view that the Indian government "did not focus on the Naxal threat with the intensity it devoted to jihadi terrorists". This was in contradiction to the public acknowledgment on February 06, 2010 by the Prime Minister wherein he equated Naxalism with jihadi terrorism describing the two as "the biggest threat to country's internal security". But perhaps the most shocking revelation was the statement made to the US Ambassador Timothy Roemer by the Congress General Secretary Rahul Gandhi that " radicalised Hindu terrorist groups are a greater threat than the support of some Indian Muslims to extremist outfits such as the Lashkar-e-Tavveba".

Hopefully WikiLeaks may help narrow divergent perceptions of the internal security paradigms!

LLUSTRATION: Wikileaks







LT GENERAL (RETD) P.C. KATOCH

Setback to **net-centricity**

ilitary Survey was brought under the newly established Directorate General of Information Systems (DGIS) in 2005 under the express directions of the Raksha Mantri himself. This was considered vital for operational capacity building – Geographical Information Systems (GIS) being domain of Military Survey was required to merge with the DGIS with the latter already chartered to develop and handle Operational Information Systems (OIS) and Management Information Systems (MIS).

Confluence of the OIS, MIS and GIS was designed to accelerate the pace of acquiring net-centric warfare capabilities by the Army in particular and sister Services in general, Military Survey being the provi-

sioning agency for maps to all three Services (and paramilitary forces on demand from Ministry of Home Affairs) that would also handle the Enterprise GIS once introduced. Prior to merger with DGIS, Military Survey was in Military Operations Directorate, where the Engineer-in-Chief's (E-in-C) branch considered it its "Fourth Pillar". Merger of Military Survey with DGIS brought out a host of short-



tion of Military Survey was ordered at the initiative of DGIS, which made significant recommendations that were approved by the hierarchy but are yet to be implemented. A request for proposal (RFP) to establish an Enterprise GIS floated by DGIS in mid March 2009 is still shuttling between E-in-C's branch and Military Operations. What a shame that learning from Military Survey, the BSF and CRPF introduced GIS in the years 2008 and 2010 respectively but the Army and the Military are still sans one. An erstwhile Vice Chief from Engineers tried to revert Military Survey back to Military Operations on pretext of 'training' but failed when it emerged that Corps of Engineers had little contribution in provision of training to Military Survey.

Surprisingly, in a shocking recent develop-

ment, Military Survey has actually been moved out from DGIS and reverted back to Military Operations. It is understood that this move was ordered by the Vice Chief of Army Staff who has the powers to order such moves as part of reorganisation of Army Headquarters. However, what is relevant in this case is that the move of Military Survey under DGIS in December 2005 was under

the express sanction of the Raksha Mantri and reversion should have had the sanction of the Ministry of Defence, which has been brushed under the carpet in this case. It is significant to note that the Project Army Strategic Operational Information Dissemination System (ASROIDS) lying defunct in Military Operations for 13 years eventually had to be moved to DGIS, where it has been revived. The moving out of Military Survey from DGIS is a retrograde step that will adversely affect the military acquiring net-centric warfare capabilities - MoD intervention is certainly warranted. The Army must find a solution to obviate in-Service bureaucracy and give precedence to overall capacity building over consolidation of individual turfs. SP

The Army must find a solution to obviate in-service bureaucracy and give precedence to overall capacity building over consolidation of individual turfs

LUSTRATION: Anoop Kamath

comings in Military Survey ranging from archaic map production, focus own side of border instead of trans-border despite Map Policy of India being categorically stating that all mapping within Indian borders is responsibility of Survey of India, focus on physical survey within own borders, sustained voids of survey trained officers spanning over a decade, and little efforts to digitize, use available advanced technologies and introduction of GIS.

Even a GIS Policy and common military symbols had not been evolved. Under the DGIS, a GIS Policy with common symbology for the military was issued in 2009 preceded by a tri-Service study albeit with avoidable delays posed by E-in-C's branch who considered GIS within their turf. More importantly, an Army study for reorganisa-

RFI/RFP/TENDERS

Indian Army

RFI: 2.5 Ton Short Chassis Based LRV Branch: MGO Publication date: March 16 Last date: April 8

RFI: AERA for Tank T-72 Branch: DGMF Publication date: February 4 Last date: April 15

RFI: Dual Technology Mine Detectors

Branch Name: E-in-C Br Publication date: March 21 Last date: June 30

RFI: Upgradation of Delhi Zonal Access Network

Branch Name: Directorate General of Signals Publication date: March 4 Last date: April 16

Tender: Electro Optical Tracking System (EOTS)

Branch Name: Army AD College Publication date: February 15 Last date: May 14 Source: *www.indianarmy.nic.in*

Indian Navy

RFI: 12.7 mm Heavy Machine Gun Publication date: March 10 Last date: April 5

RFP: Supply of 4 Non-directional Beacon (NDBS) 2KW

Integrated Headquarters of MoD (Navy) Directorate of Procurement Publication date: January 10 Last date: April 7 Source: www.indiannavy.nic.in

Indian Air Force

RFI: Supply of Spares for AN-32 Aircraft Air Headquarters, Delhi Publication date: February 8 Last date: April 7

RFI: Supply of Spares for Su-30 Aircraft Air Headquarters, Delhi Last date: April 7

CISF

Tender: Procurement of X-Ray Baggage Inspection System (small size) CISF Publication date: March 9 Last date: April 28

Last date: April 28 Source: www.tenders.gov.in

FLIR Systems launches T-Series cameras

FLIR Systems has launched the new FLIR T620 and T640 professional grade thermal imaging cameras. Part of FLIR's popular T-Series line of cameras, the T620 and T640 offer best-in-class 640 x 480 (3,07,200 pixel) infrared resolution at an industry-leading price.

These advanced cameras give expert thermographers the tools they need to work quickly, accurately, and efficiently in industrial, utility, heating, ventilation, and



air conditioning (HVAC), and building diagnostics settings. The new T-Series cameras combine high resolution imaging with flexible ergonomics, a large 4.3" touchscreen, Wi-Fi connectivity to iPhones and iPads, 8x digital zoom, and all of the advanced analytics features FLIR's professional customers have come to expect.

Vallon's innovative mine detector

erman company Vallon has unveiled its latest mine detection system; one of its advantages is that it can detect mines made with no metal parts (the device can detect metal-free particles at a depth of 40 cm, and metal objects at greater depths). Vallon also has showcased a Minehound VMR2 dual mine detector to partners in Azerbaijan.

The device's electromagnetic induction device (EMI) and ground penetrating radar (GPR) allow for the detection of metal and metal-free objects. Each detector weighs approximately eight pounds and uses rechargeable lithium polymer cells, or an optional power supply of 4 D-size batteries. VMR2 is one of many detection devices offered by Vallon.

Ruger LCR for fast target acquisition

uger's award-winning lightweight compact revolver (LCR) is now available with an XS sight systems 24/7 tritium standard dot front sight and the original recoilabsorbing Hogue Tamer grip.

The XS sight systems 24/7 tritium standard dot front sight enhances sight acquisition in all light conditions and is designed for fast, low-light target acquisition. Fast, simple and effective, the 24/7 tritium standard dot offers the ultimate in self-defense sight systems and excels in low-light accuracy in high-stress, defensive situations. This new model features the Hogue Tamer grip, which was designed using US military anthropomorphic data on hand shape and can be comfortably held by a broad spectrum of hand sizes.

L3 Com's PX 5.3 screening solution

he PX 5.3 is the screening solution for mail rooms, schools, courthouses, corrections and corporate facilities, cruise ships and other environments where space is at a premium. Designed to screen small and medium-sized

objects such as briefcases, backpacks, parcels and packages, the compact PX 5.3 delivers an unbeatable combination of dual-energy imaging with high throughput and flexibility.

The system also features patented user-friendly touchpad operator interface with heads-up display that allows operators to efficiently and accurately screen items. Transparent colour imaging with operator assist detection (OA) capabilities facilitates the rapid detection of multiple threats, including weapons, narcotics, explosives and other contraband.





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Chemring and Hinduja form defence JV

hemring Group PLC and Hinduja Group India announce that they are in advanced discussions to establish a defence joint venture based in India.

Chemring Group, an established supplier to the Indian armed forces, and Hinduja Group plan to develop a business to serve the Indian defence and security markets with the full range of Chemring products: countermeasures, electronic warfare, high energy materials, munitions, pyrotechnics and end of life ordnance destruction, with the transfer of appropriate technological capabilities. The joint venture will also look to local sourcing and seek to develop an indigenous manufacturing capability. The joint venture is expected to commence operations this year on receipt of the required regulatory approvals.

Rockwell Collins recognised as one of "2011 world's most ethical companies"

Most Ethical Companies (WME) by the Ethisphere Institute. This annual list recognizes the top organizations leading the way in promoting ethical business standards by exceeding legal minimums for compliance, introducing innovative ideas that benefit the public and influencing their competitors to follow suit.

The 2011 list features companies in 38 industries including 43 companies headquartered outside the United States.

IL&FS Group exits equity in Pipavav

L&FS Group has exited its investments made in Pipavav Shipyard. The group through multiple investment arms including an entity that acts as a trustee of SCB Asian Infrastructure Fund together sold around 7.6 per cent stake in Pipavav Shipyard for about ₹412 crore (\$91 million).

IL&FS Group had invested around ₹109 crore starting with 2005-06 to buy the shares of the company that went public in 2009. Bulk of this was through sale by promoters of Pipavav including the SKIL Group at ₹10 per share with the rest coming through a fresh issue at a price of ₹45 per share in November 2007.

Last October, London-listed private equity firm Trinity Capital had also completed its exit from Pipavav Shipyard making 3.6 times on its 46-month-old investment.

Finmeccanica seals merger of Elsag Datamat and Selex Communications

finmeccanica's Board of Directors has recently decided to initiate the merger of Elsag Datamat and Selex Communications. The transaction is in line with the company's plan, launched in 2010, to upgrade its industrial assets in the defense and security electronics sector, and is aimed at creating a centre of expertise at Group level in the information and communication technology (ICT), security, automation and telecommunications sectors, enabling Finmeccanica to fulfill the increasing demand for complete and integrated ICT solutions and secure network management services, and bringing under one roof all the Finmeccanica companies working in this sector.

"The new structure of the defence and security electronics segment organises Finmeccanica's offer into three centres of expertise," said Pier Francesco Guarguaglini, Chairman and CEO of Finmeccanica. "The resulting organisation, with outstanding capabilities in the fields of information technology, telecommunication, security and automation, will work with the Selex Sistemi Integrati systems centre, handling large defense and homeland security and Surface Radar systems, and with Selex Galileo, a centre of expertise in avionics and electro-optical imaging. This new entity will enable the operating companies to better focus on their missions and successfully meet the demands of our clients for "turnkey" solutions, while ensuring cost optimisation".

SECURITY EVENTS

Offshore Patrol Vessels Asia-Pacific 5-7 April Grand Hyatt Singapore, Singapore. www.offshorepatrolasia.com

SMES – Security Middle East Show 7-9 April BIEL, Beirut, Lebanon www.smesbeirut.com

9th Annual Maritime Homeland

Security Summit

11-14 April Renaissance Baltimore Harborplace Hotel Baltimore, Maryland, USA *www.maritimehssummit.com*

UAV Summit

11–14 April Sheraton Premiere at Tysons Corner Hotel, Vienna, VA, USA *www.uavevent.com*

MRO Military 2011

12-13 April Miami Beach Convention Centre, USA www.aviationweek.com/events/current/ mil/index.htm

LAAD 2011

12-15 April Riocentro, Rio de Janeiro, Brazil *www.laadexpo.com*

International Symposium on Air Defense 2020

17-20 April The Air Defense Forces Institute, Jeddah, Saudi Arabia www.isad2020.org.sa

4th Annual Tactical Vehicles Summit 18-20 April

Hilton Alexandria Mark Center, Alexandria, Virginia, USA www.tacticalvehiclessummit.com

Counter Terror Expo

19-20 April Grand and National Hall, Olympia, London, England, UK www.counterterrorexpo.com



Security drill as "fake terrorists" go unnoticed at famous Puri Jagannath temple

Recently, security personnel in the guise of terrorists entered the Jagannath temple at Puri with a fake bomb, without being challenged by the guards on duty. The security lapse at the famous temple which draws people from all over India has come under severe flak, following which the State Government has started taking measures to increase security not just in Puri but also at the Sun temple at Konark.

Apprehending terrorist attacks on important religious places of worship in the country and in the wake of the Akshardham Mandir incident, the Union Home Ministry's Intelligence Bureau (IB) has been issuing guidelines and advisories from time to time to the state governments, including the state of Odisha for taking appropriate security measures.

Pradipta Kumar Mohapatra, Revenue Divisional Commissioner and chief administrator, Jagannath Temple has been reported that there was a threat perception and accordingly long-term action plan for temple security had been initiated, including installation of surveillance system, funded by NALCO, at the Puri temple, Gundicha temple and a part of Grand Road.





Easy access at South African Presidential guesthouse

outh African Public Works Minister Gwen Mahlangu-Nkabinde has revealed that there have been security breaches at the Presidential Guesthouse and other VIP residences.

The government is investigating the Bryntirion Estate renovation, while the minister has put a halt on the Mahlamba Ndlopfu guesthouse upgrade. It would appear the easiest way to access the presidential compound is to be awarded a tender to work there. "We are very fortunate that nothing bad has happened so far because when you ask people who are working at the residences, some of them are not supposed to be there because they are not cleared to be there," said Mahlangu-Nkabinde.

Jumping security at ICI airport

ast year, on one day there were two security breaches at the Indira Gandhi International Airport, following which the security personnel have tightened surveillance.

It may be recalled that a 65-year-old man, desperate to go on the Haj pilgrimage to Saudi Arabia, jumped the emergency gate at the airport here. The man was identified as Fazal Mohammed from Haryana's Nuh district who had jumped emergency gate no.5 of the IGI airport near Dwarka. He was caught by the guards and CISF personnel. Mohammed told the guards that he had no money and was desperate to go to Saudi Arabia on a Haj pilgrimage.

Earlier in the day, Uday Raj Chauhan, 28, was nabbed by the CISF in the Air India parking bay after he had illegally entered the domestic terminal at 4.30 a.m. According to CISF, Chauhan had jumped into the technical area from a tree and breached the funnel area. He then reached the Air India flight going to Dubai where he was nabbed.

Military information passed on to competitors

US company that contracts with the federal government to conduct background and security checks has sued three of its former employees recently and accused one of them of taking confidential military documents.

US Investigations Services has filed a lawsuit against Susan Callihan; Sarah Baucom and Sharon Vernick on the ground that they took proprietary information to competitors. Among the claims are that Callihan, who had a Top Secret federal security clearance, e-mailed to her personal address a "highly confidential" military operations manual along with Excel spreadsheets that contained "detailed proprietary information" including names of people being investigated and their military branch.



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