

# समाचार पत्रों से चयित अंश Newspapers Clippings

दैनिक सामयिक अभिज्ञता सेवा

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# भारत को रक्षा साझेदार बनाने का बिल US में पास

## अमेरिका ने पाक की 40 करोड़ डॉलर की मदद रोकी

■ एजेंसिय, वाशिंगटन

अमेरिका ने भारत को उभरती हुई सैन्य ताकत और अपना बड़ा रक्षा साझेदार बनाया है। अमेरिकी कांग्रेस ने भारत को महत्वपूर्ण रक्षा साझेदार बनाने की राह में आई रुकावटों को दूर किया, जबकि दूसरी ओर पाकिस्तान को दी जाने वाली 40 करोड़ की मदद राशि रोक दी है। अमेरिकी रक्षा मंत्री एश्टन कार्टर का कहना है कि भारत और अमेरिका में काफी समानता है। भारतीय और अमेरिकी लोगों में जुड़ाव बेहद मजबूत है। हम दोनों ही बहुसंस्कृति वाले देश हैं, लेकिन दोनों ही देश के बाशिंदों में गजब की एकता है। भारत-अमेरिका की दोस्ती पिछले कुछ सालों में और मजबूत हुई है।

**पाकिस्तान पर 4 शर्तें :** अमेरिकी सीनेट ने शुक्रवार को पारित 2017 राष्ट्रीय रक्षा प्राधिकार अधिनियम (एनडीए) में गठबंधन सहायता कोष (सीएसएफ) के 90 करोड़ डॉलर में से 40 करोड़ डॉलर हासिल करने के लिए पाकिस्तान पर 4



शर्तें लगाई है। अमेरिकी कांग्रेस ने कहा है कि पाकिस्तान को करोड़ों डॉलर की मदद अमेरिकी रक्षा मंत्री के यह प्रमाण देने की बाद ही मिलेगी कि पाकिस्तान अमेरिका के दुश्मन हक्कानी नेटवर्क के आतंकियों के खिलाफ सख्त कार्रवाई कर रहा है। इससे पहले भी अमेरिका के रक्षा मंत्री एश्टन कार्टर पाकिस्तान को यह सबूत देने से इनकार कर चुके हैं कि वह आतंकवाद के खिलाफ लड़ाई में सक्रिय योगदान दे रहा है, जिससे पाकिस्तान को 30 करोड़ डॉलर

की राशि नहीं मिल पाई थी।

### अमेरिकी रक्षा बजट पारित

अमेरिकी सीनेट ने 2017 के लिए अमेरिका के 618 अरब डॉलर के रक्षा बजट, '2017 नेशनल डिफेंस ऑथोरिजेशन एक्ट (एनडीए) को 7 के मुकाबले 92 वोटों से पारित किया। एनडीए 2017 में भारत को अमेरिका का प्रमुख रक्षा साझेदार बनाने के लिए कहा गया। इससे पहले इसे प्रतिनिधि सभा ने 34 के मुकाबले 375 मतों से पारित किया था।

### कार्टर ने रद्द किया बगराम एयरबेस का दौरा

■ एजेंसियां, अफगानिस्तान : अमेरिका के रक्षा मंत्री एश्टन कार्टर ने गुरुवार को सैन्य कमांडरों से विचार-विमर्श करने और छुट्टियों से पहले अमेरिकी सैनिकों से बातचीत करने के मकसद से अफगानिस्तान का आकरिस्क दौरा रद्द कर दिया।

### पाक ने की भारत की शिकायत

विदेश मामलों पर पाकिस्तान के प्रधानमंत्री नवाज शरीफ के विशेष सहायक सैयद तारिक फातिमी ने यूएस सीनेट फॉरिन रिलेशंस कमिटी के सदस्यों से मुलाकात की और उन्हें बताया कि भारत की दुश्मनी और कटुता के कारण दक्षिण एशिया की शांति पर नकारात्मक असर हो रहा है। फातिमी ने समिति के अध्यक्ष और सीनेटर बॉब कोरकर और रैंकिंग सदस्य सीनेटर बेन कार्डिन से वाशिंगटन के कैपिटल हिल में मुलाकात की।

## THE ASIAN AGE

### US Senate nod to India as major defence partner

*The Act calls for approval and facilitation of transfer of advanced technology, consistent with US conventional arms transfer policy.*

Washington: The US Congress has cleared the decks for India to become a major defence partner, with the Senate overwhelmingly passing the \$618 billion American defence budget for 2017.

The 2017 National Defence Authorisation Act (NDAA), whose Section 1292 titled 'Enhancing defense and security cooperation with India' asks the defence secretary and the secretary of state to take steps necessary to

recognise India as America's major defence partner in a bid to strengthen bilateral security cooperation, was passed earlier by the US House of Representatives by 375-34 votes and now heads to the White House for President Barack Obama to sign it into law.

"I applaud the inclusion of forward-leaning provisions designed to strengthen bilateral defense cooperation with India, including expanded military-to-military engagement, increased defence trade, and greater cooperation on technological development," Senator Mark Warner, Co-Chair of the Senate India Caucus, said in a statement after the Senate passed the bill on Thursday by 92 to 7 votes.

The Act calls for approval and facilitation of transfer of advanced technology, consistent with US conventional arms transfer policy, to support combined military planning with India's military for missions.

"As the world's largest democracy and one with which US strategic interests increasingly align, India is an important partner in promoting economic growth and global security," said Warner, who will serve as Vice Chair of the Senate Intelligence Committee in the 115th Congress.

The NDAA section also asks the administration to designate an individual within the executive branch who has experience in defense acquisition and technology to reinforce and ensure, through inter-agency policy coordination, the success of the Framework for the US-India Defence Relationship; and to help resolve remaining issues impeding US-India defense trade, security cooperation, and co-production and co-development opportunities.

The act calls for approval and facilitation of transfer of advanced technology, consistent with US conventional arms transfer policy, to support combined military planning with India's military for missions such as humanitarian assistance and disaster relief, counter piracy, freedom of navigation, and maritime domain awareness missions, and to promote weapons systems interoperability.

Calling to strengthen the effectiveness of the US-India Defense Trade and Technology Initiative and the durability of the Department of Defense's "India Rapid Reaction Cell," NDAA 2017 also seeks collaboration with India to develop mutually agreeable mechanisms to verify the security of defense articles, defense services and related technology such as appropriate cyber security and end use monitoring arrangements consistent with US export control laws and policy.

After the passage of the bill, within 180 days, the secretary of defence and secretary of state have been asked to jointly submit to the Congressional Defence Committees and the Committee on Foreign Relations of the Senate and the Committee on Foreign Affairs of the House of Representatives a report on how the US is supporting its defence relationship with India.



Sat, 10 Dec, 2016

## **US Pitches Hard for Building Fighter Jets under Make in India**

*By Manu Pubby*

*Washington feels assembly line in India will create jobs in US as well*

The US has made a strong case for producing an American fighter jet under the Make in India initiative, a proposal that was discussed at length even during US Defence Secretary Ashton Carter's farewell visit to New Delhi this week.

The mega project "India is looking for a partner to produce over 200 new fighter jets to replace its ageing MiG fleet" has the potential of creating jobs both in India as well as the US if done correctly, was the message conveyed from Washington.

India and the US are also looking to roll out a 'signature' joint development military project under the Defence Technology Transfer Initiative (DTTI) by the end of this year, though details are being kept under wraps as advanced negotiations are on.

While there have been questions on the future of the US offer to produce a combat plane in India after President elect Donald Trump's stated position to keep manufacturing units within the country, the view in Washington is that the economics of the deal could produce new job opportunities in both nations.

The two sides also discussed at length India's designation as a major defence partner of the US, with the message being given that New Delhi would have easier access to technology and lesser obstacles on licensing issues with the new status.

While several initiatives to take the bilateral defence relationship forward were discussed, of particular interest were talks on sharing of tactics and training by the special forces of the two nations. India has been keen to train with US special forces that have considerable experience in conducting stealth missions deep in enemy territory .

A proposal for the sale of advanced unarmed Predator UAVs is also under consideration but the pact that is described as having seen the most forward movement is the joint working group of aircraft carrier technology.

## **Business Standard**

*Sat, 10 Dec, 2016*

### **US drills India defence ties into law**

On Thursday, in Washington DC, a law relating to the US-India defence partnership cleared its final legislative hurdle. When President Barack Obama signs it next week, his presidential successors and their administrations will be legally bound to treat India as a "major defence partner".

Titled, "Enhancing Defense and Security Cooperation with India", the India-related section is embedded as an amendment in the National Defense Authorization Act of 2017 (NDAA), an annual bill that allocates funding to the US military.

Last night, the US Congress' upper house, the Senate, voted 92-7 to pass NDAA 2017. Last week the lower house, the House of Representatives, had passed the bill with a majority of 375-34. With such overwhelming Congressional support, the US president is not empowered to veto the bill.

The legislation is based on Washington's belief that India is strategically vital to America in Asia's security architecture. It sets the stage for easier Indian access to US high technology.

"The designation as a "Major Defense Partner" is a status unique to India and institutionalizes the progress made to facilitate defense trade and technology sharing with India to a level at par with that of the United States' closest allies and partners, and ensures enduring cooperation into the future", said a joint statement from US Defence Secretary Ashton Carter and Defence Minister Manohar Parrikar after they met in New Delhi on Thursday.

Senator Mark Warner, who drafted the India amendment that the Senate passed, declared today: "I welcome the continued advancement of our bilateral defense relationship with India, as evidenced by the establishment of the Defence Technology and Trade Initiative (DTTI), the signing of the Defence Framework Agreement, the completion of the Logistics Exchange Memorandum of Agreement and the designation of India as a major defence partner".

Congressman George Holding, who steered the India amendment through the House of Representatives, pointed out: "India plays a critical role as a strategic partner to the US and as a pillar of stability in South Asia. I'm proud to work with my colleagues on both sides of the aisle to solidify the economic and defence relationship between our countries."

For American defence corporations, which have already benefited from \$15 billion worth of arms sales to India, the Bill provides opportunities for greater volumes of business. Says Ben Schwartz of the US India Business Council, which represents numerous top-tier US companies doing defence business with India: "We want the Indian military to be capable of managing the growing security threats in the Indian Ocean region."

And we want many of those capabilities to come from American industry and US India industrial partnerships.

The India amendment, which forms Section 1292 of the NDAA, requires the US secretaries of defense and state to designate an official with the specific task of clearing roadblocks to greater cooperation. In the Obama administration, this function was earlier performed by Ashton Carter himself, as co-chairman of the DTTI, and is currently being performed by Frank Kendall, the Under Secretary of Defense for Acquisition, Technology and Logistics (AT&L).

An early indication of how seriously President-elect Donald Trump's incoming administration will pursue defence cooperation with India would be available from how expeditiously Kendall's replacement is appointed, and how senior the official will be, observes an Indian defence ministry official.

US officials predict that India will be important for Trump's administration, but not a problem to be handled on urgent priority, at least initially. With relatively little mind space for India, the relationship would initially require to be nudged along by the defence industry.

Even so, the administration will be bound by the 'reporting' clause in the India amendment, which requires an official to report within six months to Congress on progress in the US-India defence relationship.

It also remains to be seen how New Delhi reacts to the 'operational' clauses of the India amendment, which requires the US administration to coordinate with their Indian counterparts on 'engagement between the militaries of the two countries for threat analysis, military doctrine, force planning, mutual security interests, logistical support, intelligence, tactics, techniques and procedures, humanitarian aid and disaster relief.'

Indian governments, including the current one, have been careful to dispel any impression that New Delhi is in a military alliance with Washington.

Indian govt has been careful to dispel impression that New Delhi is in a military alliance with Washington.

## THE ASIAN AGE

Sat, 10 Dec, 2016

### IAF ex-chief held in Agusta bribes case

*Tyagi is first service chief to be arrested*

In a major breakthrough into the multi-crore AgustaWestland VVIP copters deal case, the CBI on Friday arrested former Indian Air Force chief S.P. Tyagi on charges of alleged corruption. Apart from Tyagi, the investigating agency also arrested his cousin Sanjiv alias Julie Tyagi and Delhi-based lawyer Gautam Khaitan.

The former IAF chief, Sanjiv Tyagi and Khaitan were called in for questioning at the CBI headquarters on Friday and were arrested when they failed to answer the questions that were put to them satisfactorily, say official sources, adding that they were giving conflicting versions during questioning. The arrested accused will be produced before a designated court on Wednesday. This is the first time a former IAF chief has been arrested by the central probe agency.

CBI had questioned Tyagi, who retired as the Air Force chief in 2007, extensively in the past for the alleged irregularities in the `3,600 crore copter deal over allegations that kickbacks to the tune of `423 crore were paid for finalising the deal. Earlier in January 2014, the government had cancelled the contract with Finmeccanica's British subsidiary AgustaWestland for supplying 12 AW-101 VVIP copters to the Air Force over allegations of bribery. The CBI alleged that in a bid to facilitate the deal for AgustaWestland, Tyagi allegedly influenced the decision to reduce the minimum operational ceiling from from 6,000 to 4,500 metres.

Allegations into the case had first surfaced in 2011 when Italian prosecutors claimed that bribes were paid for procuring 12 highend VVIP choppers to be used by President, vicepresident, Prime Minister and others. In April this year, a Milan Courts of Appeals had indicted Tyagi for receiving kickbacks. Others charged by the

Milan court included former CEO and chairman of Finmeccanica Giuseppe Orsi and former CEO of AgustaWestland Bruno Spagnolini.

The court verdict had led to a huge political uproar with the ruling BJP accusing the former Congress-led UPA government of indulging in corruption.

The AgustaWestland copters were to replace the existing VIP copter squadron, which had been purchased from the erstwhile Soviet Union. Former defence minister A.K. Antony had ordered an inquiry into the entire deal following which the case was subsequently transferred to the CBI.



*Sat, 10 Dec, 2016*

## **Tyagi Arrest Puts Cong in Corner Again**

### ***Scams Under UPA Give NDA Govt An Edge***

It may be just a coincidence. But the timing of former IAF chief S P Tyagi's arrest and the filing of the chargesheet against Dayanidhi Maran, communications minister in the UPA government help amplify the theme, may help amplify the Modi regime's anti-corruption theme, while putting the focus on corruption during the decade-long rule of the Congress-led coalition.

The first-ever arrest of a chief of any of the three services coincides with the Modi government's risky gamble on demonetisation. PM Modi has framed the invalidation of Rs 500 and Rs 1,000 notes as a fight against corruption and terrorism, and has appealed to people to put up with the hardship for the sake of the larger cause. Modi would flaunt his success in ensuring that there was no scam on his watch predemonetisation too. He has raised the pitch significantly higher with the November 8 decision, even accusing opponents of demonetisation of siding with the corrupt who held hoards of illegal cash.

The twin moves on Friday will give Modi more ammunition, especially against Congress, which paid a heavy penalty for the mega scams under UPA in the 2014 Lok Sabha elections, and continues to struggle against the rampant perception of it giving corruption a free rein.

The skirmishes in Parliament have seen BJP and senior ministers frequently putting the spotlight on corruption under UPA to rebut Congress's claim that demonetisation would not help achieve Modi's avowed objective of fighting corruption and black money.

Tyagi's arrest for allegedly taking bribes for a deal signed under Manmohan Singh, and Maran's chargesheeting will make the task of repairing the damage that much more difficult. The former IAF chief has earned the notorious distinction of being the first service chief to have been arrested, but the charge against Maran - that he got the public sector BSNL to set up a mini telephone exchange at his Chennai residence to feed his family-owned TV channel gratis - is no less striking.

Especially because there are strong indications that the two decisions could be part of the procession of cases of corruption dating to UPA's tenure that have ripened, with the CBI reaching the stage of filing chargesheets and making arrests.

Sources said former CBI chief Anil Sinha had ordered that the probe in all cases of high-level corruption be fast tracked. In the Agusta Westland case, he instructed investigators to focus on bribes rather than getting obsessed with correctness or otherwise of the procedure followed in sourcing helicopters for the VIP squadron - a precaution that was seen as essential to dodge the fate of the investigation into allegations that bribes influenced the Rajiv Gandhi government's decision to buy Bofors howitzers in the 1980s.

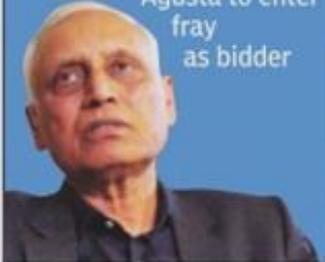
BJP sources stressed that the CBI's moves should be read along with Modi's announcement that he would follow through on demonetisation by unearthing benami properties, and by tracing the 'source' of funds that have flowed into Jan Dhan accounts.

BJP welcomed the CBI's move to arrest Tyagi on Friday, saying that the agency, called a caged parrot by the Supreme Court during the Congress regime, had finally found teeth under NDA. "BJP is confident that the political beneficiaries of the AgustaWestland scam will also be brought to book," party secretary Siddharth Nath Singh said.

# THINGS TO KNOW ABOUT THE AGUSTA SCAM

## WHY THE ARREST

**Ex-Air Chief Tyagi** arrested for changing "height allowed" for Agusta to enter fray as bidder



**ALIVE**

## WHAT THE DEAL WAS

**12 AW-101 AgustaWestland choppers for the IAF**



**8** to transport the President, PM, VP & other VIPs

**4** for other duties

> Choppers were to replace Mi-8 helicopters. the IAF's requirement came in 1999

> In March 2002, a global tender floated. Four vendors respond, but only Eurocopter EC-225 meets specification of being able to fly at an operational ceiling of 6,000 metres. This was slashed in second tender in '06 to 4,500

> Finmeccanica beats S-92 Superhawk (US) to bag contract: In Feb 2010, €556 million contract (₹3,546cr) with AgustaWestland inked

## WHAT WAS THE TWEAKING STORY

**NOV-DEC 2003** | NSA Brajesh Mishra in Vajpayee PMO directed MoD & IAF to change tech specs to avoid "single vendor" situation. Tyagi is IAF chief when tech requirements (flying ceiling brought down to 4,500 metres, cabin height increased to 1.8 metres etc) changed between March 2005 and September 2006



## HOW THE SCANDAL BROKE

**Feb 24, 2012** | Probe by Italy's attorney general into shady dealings by Finmeccanica widened to include graft in ₹3,500cr+ chopper deal signed with India by subsidiary AgustaWestland

> Middleman Guido Ralph Haschke, who allegedly pocketed €51 million from AgustaWestland to win contract, arrested

**Feb 2013** | Chief executive & chairman, Finmeccanica SpA, Giuseppe Orsi arrested, accused of paying ₹360 crore bribe for sale of choppers to India when he was AgustaWestland head

### ITALIAN PROBE FOUND

> Orsi & others paid bribes through intermediaries (Haschke & co)

> Middlemen paid Tyagi through cousins to alter tender terms to aid AgustaWestland

> In secret recordings, Haschke reportedly talked of money routed through

Mauritius & Tunisia

> Investigators acted on evidence of a former Finmeccanica executive, Lorenzo Borgogni, who claimed Haschke was hired as an 'intermediary' whose compensation was raised by €10m to €41m

## HOW INDIA REACTED

> Then defence minister A K Antony ordered probe. Froze payments, having already paid ₹1,620cr, 45% of the contract value & accepted 3 choppers. CBI filed FIR against 13 in March 2013. ED too began probe

> ED attached 5 properties of Tyagi's cousins/ED claimed bribes worth ₹7.7cr paid to the Tyagi brothers

## HOW ITALIAN COURTS RULED

**Oct 2014** | Lower court acquits Tyagi, Orsi etc on charges of international corruption, but 2-yr jail for Orsi & ex-company head for false invoicing



**April 2016** | Milan's court of appeals overturns verdict

> Rules Orsi & AgustaWestland ex-head Spagnolini bribed Indian officials

> Indicts Tyagi for being beneficiary of bribe (Payments made to Tyagi & family in cash and by wire transfer)

> Court says Indian govt (UPA-II) did not provide adequate evidence & critical documents to Italian prosecutors in 2013-2014

## DRAMATIS PERSONAE

**Air Chief Marshal S P Tyagi (Retd)** (Served from '04-'07) | Indicted in Italy, arrested in India. First ex-service chief to be arrested

**Guido Haschke & Carlo Gerosa** | Haschke, one of the two middlemen, arrested; accused of taking commissions from AW for him and business partner

**Sanjeev Kumar (Julie) Tyagi** | Delhi-based businessman & ex-chief's cousin, friend of Gerosa

**Giuseppe Orsi** | Ex-Finmeccanica CEO-chairman, sentenced to 4-and-a-half years in jail

**Bruno Spagnolini** | Agusta Westland ex-CEO, sentenced to 4 years in jail

**Another middleman is CHRISTIAN MICHEL** | A British consultant active in the Indian defence sector when scam was exposed, allegedly hired by Agusta to influence

## High-flyer Bundle Tyagi has earned a dubious distinction

By Rajat Pandit

Just a few days ago, former IAF chief Air Chief Marshal Shashindra Pal Tyagi (Retd) was in his usual ebullient mood at the Navy Day's ceremonial reception, which was attended by President Pranab Mukherjee, PM Narendra Modi and other top dignitaries.

Popularly known in military circles as 'Bundle Tyagi' after his call-sign as a fighter pilot while flying Gnats, Hunters and Jaguars, he greeted every one with his trademark swagger and guffaws at the Navy chief's residence on December 4. On Friday, he was cooling his heels in the CBI's custody after becoming the first-ever military chief, serving or retired, to be arrested in India.

At least three military chiefs have been under the scanner earlier, including the late Admiral S M Nanda, popularly known as the 'Man who bombed Karachi' since he was at the helm of the Navy during the 1971 war.

Though Nanda was charged with receiving kickbacks in the HDW submarine scam of the late 1980s, and his premises were raided, he was never arrested. The case was closed 15 years later, with the CBI holding it had no concrete evidence to prosecute the accused.

But this time, Tyagi's arrest indicates the CBI is confident of cracking the VIP helicopter kickbacks case wide open, jettisoning its long and extremely poor track-record of failing to bring the guilty to justice in the series of defence scams that have bedevilled the country for decades.

Though Tyagi retired as IAF chief in March 2007, three years before the Rs 3,546 crore contract for the 12 AW-101 helicopters from AgustaWestland was actually inked, he is alleged to have played a pivotal role in tweaking the technical parameters from March 2005 to September 2006 to ensure the AW-101 helicopters eventually bagged the contract in 2010. The technical parameters or qualitative requirements (QRs) were changed to ensure the AW-101 choppers could first re-enter the competition and then win the contract by defeating American Sirkorsky's S-29 Super Hawks. They included the reduction of the chopper's operational flying ceiling from 6,000 metres to 4,500 metres and increasing its cabin height to 1.8 metres.

Tyagi, in his defence, contended that if he was guilty of corruption, then the entire Indian system was corrupt with everybody on the take. "Two governments (NDA and UPA), two PMOs (A B Vajpayee and Manmohan Singh), two national security advisers (Brajesh Mishra and M K Narayanan) and two defence ministries ordered the IAF to change the QRs of the VIP helicopters to avoid a single vendor situation. We carried out the orders as per the users' requirements (VIPs and Special Protection Group)," Tyagi had told TOI earlier.

But the Modi-led government feels the VIP chopper case is symptomatic of the wheeling and dealing that marked defence deals under the UPA regime. It says AgustaWestland was "favoured at every stage" of the acquisition process, which began with the change in the QRs.

Instead of broad-basing the QRs to increase competition, they were made "more restrictive" to make the AW-101 the "only alternative", and effectively eliminate the Eurocopter EC-225 helicopter from the fray, defence minister Manohar Parrikar said in Parliament this year.

It's alleged that Tyagi's cousins Sanjeev (Julie), Rajeev (Dosa Doctor sahib) and Sandeep Tyagi were the conduit between him and the three key middlemen in the VIP chopper deal - Christian Michel, Guido Haschke and Carlo Gerosa. Michel, earlier based in London and now in Dubai, allegedly handled the kickbacks worth over Rs 400 crore that were used to bribe Indian politicians, bureaucrats and IAF officers.

Agusta focus a diversionary tactic: Cong

Congress suspects the sudden focus on the AgustaWestland bribery case could be BJP's diversionary tactic in the wake of the increasingly negative fallout of demonetisation. Deputy leader of the opposition in the Rajya

Sabha Anand Sharma has accused the Modi government of throwing a red-herring on the corruption issue. "The Agusta investigation started under UPA and Tyagi was also interrogated," he said, and asked why the government took 30 months to act if there was evidence. TNN



*Sat, 10 Dec, 2016*

## **Do not give political colour to our bid for nuclear technology, India tells China**

New Delhi: India's search for access to civilian nuclear technology is key to its development and climate change goals, and China should not raise political obstacles. Addressing a forum of Indian and Chinese think tanks here, foreign secretary S Jaishankar said India and China should give each other "sufficient space" and not be trapped in a 'balance of power' cycle.

"The broad basing of the nuclear technology control group is helpful to a more representative international order. Keeping in mind this solidarity of major developing states, it is important that China views this as a developmental aspiration and not give it a political colouring," Jaishankar said.

He observed while India and China had many things in common, including their views of the world, the two countries have ended up taking opposing sides, in a spirit of competitiveness. "As diverse and pluralistic societies, we both face threats from fundamentalist terrorism. Yet, we do not seem to be able to cooperate as effectively we should in some critical international forums dealing with this subject."

Pointing out the similarities between "India as a leading power" and the "China Dream", the foreign secretary said, "We are both old civilizations and proud countries that are retaking our positions in the global order. Let us at least respect each other's strong sense of independence and legitimate aspirations while seeking accommodation and building trust."



*Sat, 10 Dec, 2016*

## **Scientists design sensors from graphene and silly putty**

Scientists have used the wonder material graphene to make novelty children's toy silly putty conduct electricity, creating highly sensitive sensors.

The research, led by Jonathan Coleman from Trinity College Dublin and Robert Young of the University of Manchester, offers exciting possibilities for applications in new, inexpensive devices and diagnostics in medicine and other sectors.

Coleman and team discovered that the electrical resistance of putty infused with graphene ("G-putty") was extremely sensitive to the slightest deformation or impact. They mounted the G-putty onto the chest and neck of human subjects and used it to measure breathing, pulse and blood pressure.

Researchers found that when graphene was added to the silly putty, the electrical resistance of the G-putty was very sensitive to deformation. The resistance increased sharply on even the slightest strain or impact, while it slowly returned close to its original value as the putty self-healed over time.

The behaviour we found with G-putty has not been found in any other composite material. This unique discovery will open major possibilities in sensor manufacturing worldwide, the study said.

## Space legend John Glenn dies

John Glenn, a trailblazing astronaut who broke the glass ceiling twice by becoming the first American to orbit the Earth and the first senior citizen to venture into space, has died aged 95.

The former astronaut had been battling health issues after suffering a stroke a few years ago. He had also undergone a heart valve replacement surgery in 2014.

“With John’s passing, our nation has lost an icon and Michelle and I have lost a friend. John spent his life breaking barriers, from defending our freedom as a decorated Marine Corps fighter pilot in World War II and Korea, to setting a transcontinental speed record, to becoming, at age 77, the oldest human to touch the stars,” President Barack Obama said in a statement.

Glenn, a decorated combat veteran and test pilot who gained worldwide fame as the first American to orbit the Earth, went on to become a US senator and in the autumn of his life returned to space aboard the shuttle Discovery. Glenn, who circled the Earth three times, was the third US astronaut in space. He was the first to get into orbit. Glenn, who was known for his small-town decency and calm heroics, was the last of the original Mercury 7 astronauts who launched the US space programme. He later served for four terms as a Democratic senator from Ohio.

On February 20, 1962, when Glenn rocketed into space, it was momentous and nerve-racking. Space travel was in its infancy. Every launch and mission captivated the imagination of America. He made history a second time in 1998, when he returned to space decades later at the age of 77 only to become the oldest person sent into space. © PTI



## 'Copying texts for study doesn't violate copyright'

By Abhinav Garg

*Single-Judge HC Bench To Decide On Purpose And Utility*

Students in Delhi University and nearby can continue to buy photocopy material of international textbooks sold by shops such as Rameshwari Photocopy Service, for now. The Delhi high court on Friday ruled that copying extracts of original material, including of those brought out by international publishers, is exempt from copyright claim as long as it is justified by the purpose for which it is used.

“Purpose” and “utility” of the photocopied material (content of the extract and needs of curriculum) decide if there has been any violation or there has been “fair use”, a bench of Justices Pradeep Nandrajog and Yogesh Khanna held, sending the suit filed by Oxford University Press, Cambridge University Press and others against Rameshwari shop back to the single judge to conduct a trial on these parameters.

Batting for free knowledge as long as original work is not misused, the HC observed that “the law in India would not warrant an approach to answer the question by looking at whether the course pack has become a textbook, but by considering whether the inclusion of the copyrighted work in the course pack was justified by the purpose of the course pack i.e. for instructional use by the teacher to the class and this would warrant an analysis of the course pack with reference to the objective of the course, the course content and the list of suggested readings given by the teacher to the students.”

Friday's verdict means publishers will have to prove before the single judge that their original work is being copied and misused for commercial gain and not for use in course of instruction by teachers to pupils.

While restoring the suit lost by the publishers earlier, the division bench said it was "not inclined" to grant interim stay to the foreign publishers but added that there are "triable issues" involved in the lawsuit seeking to restrain the shop in the varsity campus from selling photocopies of textbooks.

To facilitate inquiry, the court ordered the photocopy shop to maintain a record of course packs photocopied by it and supplied to students and file a report in court every six months, disposing of the appeal filed by publishers and posting the matter for further proceedings before the single judge on January 4, 2017.

It also cited a 2012 report of a court-appointed local commissioner who found that entire textbooks had been copied and sold by the shopkeeper, not just extracts for course packs.

The publishers had appealed against the single judge order allowing Rameshwari Photocopy Service to sell photocopies of their textbooks on the ground that copyright in literary works does not confer "absolute ownership" to the authors.

But the larger bench differed, saying the legal issue revolves around interpretation of Section 52(1)(i) of the Copyright Act, 1957 as the photocopy shop and other defendants have admitted photocopying pages from the publications in different proportions.

It also disagreed with publishers' argument that DU is to be blamed for encouraging photocopy instead of stocking its library with purchased books. "Role of the university ends when its academic council lays down the course curriculum. Thereafter, the individual teacher or the teachers acting collectively for a particular degree course sit down and prescribe the relevant reading material to be read by the students keeping in view the objective of the course as per the curriculum," the HC noted.

"The next exercise done by the teacher or the teachers would require eclectic selection of reading material and this would be the copyrighted works. This would constitute the reading material for the pupils, to be used by the teacher in the class room in course of instruction," he added.