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Asian Games 2010

take place in Guangzhou, China from officially known as Asiad, Games, including Israel, is the second city in China athletes from all over the participation in 1974. to host the Games after Asia. The Games were **Opening ceremony** Beijing in 1990. A total of regulated by the Asian last one to have presented such big events, as the Olympic Council of Asia (OCA) has enforced new hosting rules for future games, beginning with the 2014 Games.

Guangzhou was awarded the right on July 1, 2004, as the sole bidding city. This came after the withdrawal of several cities, from Amman, Kuala Lumpur and Seoul. The games will also be co-

The 2010 Asian hosted by Dongguan, its history, only nine na- 21:42 (UTC+8). The cer-Games, also known as the Foshan and Shanwei, the tions have hosted the emony will be held sepa-XVI Asiad, are scheduled three neighbouring cities. Asian Games. 46 nations rately: at the sea and land.

ter twice having secured rious" lightning cer- ing controversy in the

The Asian Games, have participated in the Sports Events

the Games from crisis. In emony will be held at 2006 Games.

Compared to the 28 November 12 to Novem- is a multi-sport event held which was expelled from events in the Olympic ber 27, 2010. Guangzhou every four years among the Games after their last Games, the 2010 Asian Games will feature 42 events throughout the 16 The opening cer- days of the competition, 476 events in 42 sports Games Federation (AGF) emony will be held on with added disciplines in will be contested by ath- from the first Games in November 12, 2010 on some events. Football letes, making it the larg- New Delhi, India until the Haixinsha Island in the will be held before the est event in history of the 1982 Games. Since the Pearl River. It will be di- opening ceremony, 28 Games. It will also be the 1982 they have been rected by Chen Weiya, and 5 gold medalists will organised by the Olym- who was also the assis- emerge during the openpic Council of Asia tant director of the 2008 ing day and final day re-(OCA), after the break up Summer Olympics in spectively, while a total of the Asian Games Fed- Beijing. Chen revealed in of 48 gold medalists will eration. The Games are a special interview that be awarded on Novemrecognised by the Inter- the ceremony "will sur- ber 25, 2010, the most in national Olympic Com- prise the world". Open- single day. Twenty20 mittee (IOC) and are de- ing ceremony will begin cricket is among the scribed as the second at 20:04 (UTC+8), with debutant sports, with largest multi-sport event some 7,000 people con- dancesport, dragon boat, after the Olympic Games. tributing to the cer- weigi and roller sport Thailand has hosted emony, the team parade added as unique to the four Asian Games, more will be held at 21:00 Games. Bodybuilding than any other nation, af- (UTC+8), while a "myste- was dropped due to judg-

Participating Countries

All 45 members of Olympic Council of Asia participating in the Games. According to the latest data from GAGOC, some 10,156 athletes and 4,202 team officials took part in the Games. Below is a list of all the participating NOCs and the number of competitors per delegation is indicated in brackets.

- * Afghanistan (103)
- * Bahrain (87)
- * Bangladesh (137)
- * Bhutan
- * Brunei (9)
- * Cambodia (22)
- * China (977) * Hong Kong (395)
- * India (609)
- * Indonesia (219)
- * Iran (397)
- * Iraq (42)
- * Japan (729)
- * Jordan * Kazakhstan
- * Kuwait
- * Kyrgyzstan
- * Laos
- * Lebanon (53)
- * Macau
- * Malaysia (339)
- * Maldives

Indian Scientist claims to have

* Mongolia

- * Myanmar (80)
- * Nepal (140)
- * North Korea (199)
- * Oman
- * Pakistan (174)
- * Palestine (67)
- * Philippines (188)
- * Qatar (318)
- * Saudi Arabia
- * Singapore (241)
- * South Korea (781)
- * Sri Lanka (104)
- * Syria
- * Chinese Taipei (397)
- * Tajikistan
- * Thailand (621)
- * Timor-Leste * Turkmenistan
- * UAE (95)
- * Uzbekistan
- * Vietnam (260)
- * Yemen

NASA Astrobiologist discovers GFAJ-1

Simon discovers GFAJ-1, the first life form thought capable of using arsenic instead of phosphorus in DNA and other key biomolecules. GFAJ-1 is a strain of rod-shaped bactein the family rium Halomonadaceae. extremophile was isolated from the hypersaline and alkaline Mono Lake in eastern California, and reported as new to science by a research team led by NASA astrobiologist Felisa Wolfe-Simon in a

A team led by NASA as- 2010 Science publication. Actrobiologist Felisa Wolfe- cording to the authors, the microbe, when starved of phosphorus, is capable of incorporating the element arsenic in its proteins, lipids and metabolites such as ATP, as well as its DNA (arseno-DNA) and RNA, but direct evidence for this is still lacking. The mechanism by which, or indeed if, arsenic is integrated into the cell's biomolecular structures is not known, and the results have been met with skepticism

by some scientists.

solved Math Problem P vs NP An Indian computer

scientist Vinay Deolalikar claims to have solved the world's most complex mathematical riddle of P vs NP. Vinay works at the research arm of Hewlett-Packard (HP) in Palo Alto, California.

Deolalikar has released his papers online and is being reviewed by other computer scientists. In his paper, he claims that P, which refers to problems whose solutions are easy to find and verify, is not the same as NP, which refers to problems whose solutions are almost impossible to find but easy to verify. Thus, P"NP, he said. The solution to the problem will definitely

change an Indian scientist's life, if his claim P""NP will be proved. The problem P vs NP looks like the "most difficult" to solve, which was formalized in 1971 by two mathematicians Stephen Cook and Leonid Levin.

Vinay Deolalikar was born in 1971 in New Delhi, India. He completed his masters in Electrical Engineering from the Indian Institute of Technology Bombay in July 1994, and obtained his Ph.D. from theUniversity of Southern California in May 1999. He is married and has two children.

On August 6 2010, Vinay sent out a manuscript

claiming to be the proof to P?NP to various researchers with the following text

Deolalikar, along with Joel David Hamkins and Ralph Welch, had previously proven that for infinitetime Turing machines, a model f hypercomputation, the analogous class P was smaller than either NP or Co-

CSAT 2011

New Pattern, Syllabus, Sample Paper & Model Paper

Miss Universe 2010

The Miss Universe 2010 Pageant has been decided with a 22-year-old Mexican woman taking FILM AWARDS home the crown. Miss Mexico Jimena Navarrete, of FOR 2009 Guadalajara, beat out 88 other women from six con- Name of Award tinents at the 59th annual pageant held in Las Ve- 1 BEST FEATURE FILM gas. Miss Jamaica Yendi Philipps took second place, Name of Film Miss Australia Jenista Campbell took third, Miss Kutty Srank (Malayalam)



Ukraine Anna Poslavska got fourth, and Miss Philippines Venus Raj – the projected favorite coming into the competition – took fifth place.

Navarrete was the top scoring competitor in the • evening gown component of the competition, and was the second-highest scorer in the swimsuit portion. •WHOLESOME Judges asked Navarrete about the effect that the entrement Internet has on young people and she said it is an 3 Idiots (Hindi) Producer: indispensable tool. Miss USA Rima Faikh, the first Vidhu Vinod Chopra Muslim-American person to win the Miss USA com- Director: Raj Kumar Hirani petition, did not make it to the final round. Miss Ven- Swarna Kamal ezuela Stefania Fernandez won the Miss Universe Rs 2,00,000/- Each 2009 contest.

Miss Universe 2010, the 59th edition of the pag- that touches upon the eant, was held at the Mandalay Bay Events Center contemporary concerns of in the Mandalay Bay Resort and Casino, Las Vegas, • society with great humour Nevada, U.S. on August 23, 2010. It was hosted by and engaging performances. Bret Michaels and Natalie Morales. Jimena •4 NARGIS DUTT AWARD Navarrete, Miss Mexico, was crowned Miss Universe ${}^{\bullet}_{\bullet} FOR$ BEST FEATURE 2010 by outgoing titlehoder Stefanía Fernández from Ven-

Ushoshi Sengupta, Miss India Universe 2010, was among • Delhi 6 (Hindi) Producer: the 83 contestants of Miss Universe 2010 beauty pageant held Rakeysh Omprakash Mehra in Las Vegas. There were times when Indian beauties queens Director: Rakeysh were widely regarded and every year when the beauty pag
Omprakash Mehra eants i.e. Miss Universe, Miss World, Miss Asia Pacific or any were held, their mention used to be done and they used to be Rajat Kamal the hottest among all and ofcourse they would many a time •Rs 1,50,000/- Each even consecutively take the crown home. After Sushmita Sen, For its uncompromising Aishwarya Rai, Lara Dutta, Diana Hayden, Priyanka Chopra, • stance towards communal Diya Mirza and Yukta Mukhey – no one dared to bring the title back home. What has happened to India? Has the country • divide and offering a lost the talent? No, not at all there is something else that is humanistic solution of lacking somewhere. Thus as usual, as it has been happening • taking individual with Indian beauty queens that they return home empty handed, responsibility. Ushoshi Sengupta too will now make the journey back home empty handedly.

UN Report

New York: An estimated 1,000 women die every day from complications during pregnancy and child birth, according to a • (Hindi) United Nations report released ahead of the Millennium De• Producer: Reliance Big velopment Goals Summit next week which will address ma- Pictures

Awardee

Producer: Reliance Big

Pictures

Director: Shaji N. Karun

• Medal & Cash Prize

Swarna Kamal Rs 2,50,000/-

Each

Citation

their lives.

• For its vision and cinematic

that express the different

perspectives of three women about the truth of the man in

2 INDIRA GANDHI

AWARD FOR BEST DEBUT FILM OF A • DIRECTOR

Lahore (Hindi) Producer:

Vivek Khatkar

Director : Sanjay Puran

Singh Chauhan

Swarna Kamal

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For excellent control over the lion by 2015. medium and using sport as a metaphor to tell a compelling

3 AWARD FOR BEST

POPULAR FILM

PROVIDING

For an intelligent entertainer

5 BEST FILM ON

SOCIAL

ISSUES

Well Done Abba

ternal health. The report also found that the number of preg- Director: Shyam Benegal • nant women dying has decreased by 34% from an estimated • Rajat Kamal 5,46,000 in 1990 to 3,58,000 in 2008.

The resulting 2.3 percent annual rate of decline, however, Rs 1,50,000/- Each • is less than half of what is needed to achieve the MDG of • A socio-political satire about reducing the maternal mortality ratio by 75 percent between a common man's fight for 1990 and 2015.

"To achieve our global goal of improving maternal health and to save women's lives we need to do more to reach those pervasive corrupt system. who are most at risk," said Anthony Lake, head of UNICEF. • 6 BEST CHILDREN'S

"That means reaching women in rural areas and poorer • FILM households, women from ethnic minorities and indigenous Putaani Party (Kannada) • groups, and women living with HIV and in conflict zones."

The four main causes of pregnancy related deaths have been identified as severe bleeding after childbirth, infections, Producer: Children's Film • hypertensive disorders, and unsafe abortion.

Out of the 1,000 pregnant women who died in 2008, 570 lived in sub-Saharan Africa, 300 in South Asia and five in high-income countries, the UN said.

The risk of a woman in a developing country dying from a (Putaani Party) & Sivan pregnancy-related cause during her lifetime is about 36 times (Keshu) • higher compared to a woman living in a developed country, according to the report.

"Maternal deaths are both caused by poverty and are a cause of it. The costs of childbirth can quickly exhaust a family's Putaani Party income, bringing with it even more financial hardship," said For the novel idea of • Tamar Manuelyan Atinc, vice president for Human Develop- • empowering children to work • ment at the World Bank.

Earlier this week, Secretary-General Ban Ki-moon an-• nounced that he will launch a 'Global Strategy for Women's • to combat alcoholism that and Children's Health' during the summit next week expected destroys their future. to attended by more than a hundred world leaders including Keshu US President Barack Obama.

"We cannot accept this intolerable situation where many $\stackrel{\bullet}{\bullet}$ For the sensitivity that millions of women die needlessly in the course of their child explores the lonely world of birth or pregnancy, which can be easily be prevented," Ban a specially abled child and • told journalists.

"No area has more potential to set off a ripple effect – virtuous cycle — across the Goals than women's health and erecognize the genius in him. empowerment," he added.

To achieve the health MDGs, Ban noted that the interna- *Abohoman (Bengali) tional community had to invest an additional USD 26 billion • Rituparno Ghosh by 2011 in 49 lowest income countries, and USD 42 bil-

India Pride Award

Navratna Defence PSU Bharat Electronics Ltd (BEL) has won the Gold prize in the Heavy Industries category of the conflict, rich texture DNA-Dainik Bhaskar India Pride Awards 2010 for "Excel-" and ensemble performances. lence in PSUs".

Mr Ashwani Kumar Datt, Chairman & Managing Director, BEL, received the award from Mr Pranab Mukherjee, • Union Finance Minister, at a ceremony held in New Delhi.

BEL, India's foremost defence electronics company, is a Rajat Kamal Rs. 5,000-crore multi-product, multi-technology, multi-Unit Rs 50,000/conglomerate with over 350 products in the areas of Military • For a rare performance that Communication, Radars, Naval Systems, Telecom & Broadcast, Electronic Warfare, Tank Electronics, Electro Optics, fuses the art and craft of an Professional Electronic Components and Solar Photovoltaic • actor to create a character Systems. While defence continues to contribute to nearly 80 that lives with you long after to 85% of its revenue, BEL has expanded its horizons beyond the film is over. • defence electronics and touched a chord with the common • man through civilian products like solar traffic signals and Elec- 9 **BEST ACTRESS** tronic Voting Machines (EVMs). BEL's customers include the Abohoman (Bengali) Army, Navy, Air Force, Paramilitary, Coast Guard, Police, Ananya Chatterjee Doordarshan, All India Radio, Department of Telecommuni-Rajat Kamal cations and consumers of professional electronic components. BEL offers customised network-centric solutions to the Army, Rs 50,000/-Navy and Air Force. The Company is also working on presti- For the exquisite detailing of gious weapon system programmes such as the Akash Missile • a complex character through

A zero-debt company, BEL's turnover has been on a steady • rise. The Company recorded a turnover of Rs. 5,219.77 crores and • professional and personal life Profit Before Tax of Rs. 1.045.02 crores in 2009-10.

Sushil wins Gold in **World Wrestling**

Sushil Kumar has created history by becoming the first Rs 50,000/-Indian wrestler to win a gold medal at the World Champion- For the consummate ease ships in Moscow. Sushil was only the second Indian to win an with which he persuades and • Olympic medal when he grabbed a bronze at Beijing Games in • • 2008. Sushil Kumar overcame Russia's Gogaev Alan 3-1 in • the final to clinch the gold yesterday. He had defeated Azerbaijan's Hasanov Jabrayil in the semifinal of the free style 66kg category event.

All other Indian contenders had crashed out before the final in the championship.

India & Argentina sign

• justice against an all

& Keshu (Malayalam)

Society, India (for both

Director: Ramchandra P.N.

Swarna Kamal Rs 1,50,000/-

as a Panchayat

7 BEST DIRECTION

the inability of adults to

Swarna Kamal

Rs 2,50,000/-

For the many layered

narrative of emotional

8 BEST ACTOR Paa

different stages of the

10 BEST SUPPORTING

Lahore (Hindi) Farooque

Sheikh Rajat Kamal

inspires everyone around him while retaining his integrity

• and dignity. 11 BEST SUPPORTING

ACTRESS

• Paa (Hindi) Arundhati Naag

Rajat Kamal

Rs 50,000/-

• For the restraint with which

an agreement

India has signed an agreement with Argentina to cooperate in agriculture and allied sectors. Food and Agriculture Minister Sharad Pawar, who is on a tour to three Latin American countries, signed the memorandum of understanding with Argentinian Agriculture Minister Julian Andres Dominguez at Buenos Aires. An official statement said, India is a major im- • she conveys strength, porter of Argentina's soyabean oil and pulses. During 2009- • compassion and 10, the bilateral trade between the two countries stood at 942 million US dollars. India had asked Argentina to remove nontariff restrictions on imports of pharmaceutical products from daughter, a single mother, the country to boost the bilateral trade. Mr Pawar is accompa- • bringing up a son stricken nied by Deputy Chief Minister of Punjab, Haryana Agricul-with a rare degenerative ture Minister and Ministers for rural development and water resources from Maharashtra along with a delegation of businessmen. They will also be visiting Mexico and Brazil.

India &Canada to sign agreement

India and Canada will soon sign a bilateral social security Rs 50,000/agreement (SSA) under which their workers in either country For the spirited performance need not contribute to social security schemes of the host na
of a protagonist and an tion on short term work visits.

"Under the proposed agreement, an expatriate in either • antagonist who are country need not contribute to social security schemes of the • incomplete without each host country," A Didar Singh, Secretary in the Ministry for other. The two young Overseas Indian Affairs, said in Toronto Thursday.

Singh, who was in Canada to promote Canadian investment in India and woo Indo-Canadians to participate in the hthrough a 9th Pravasi Bharatiya Divas (PBD) in New Delhi from 7th- delightful journey. 9th January next year, was addressing the community at a •13 BEST MALE function organised by the Indian Consulate and the Panorama India. "The agreement, which once signed, would benefit thousands of Indian who are working in Canada and paying social SINGER security but are unable to get any benefit out of it," he said.

Referring to India's migration policy, Singh said, "India's •(Bengali) 5,000-year history of migration has led us to a deep apprecia• Rupam Islam tion of the importance of migration to India's development as a modern economy and to its relations with countries around • Rajat Kamal the globe."

Singh, who made a presentation about forthcoming PBD, For the deeply felt emotional said: "The PBD is celebration of 25 million of Global Indians" who are living across 192 countries and are able to co-exist • with different cultures, religions, and societies around the that evokes the thematic

It was celebrated every year on the day Mahatma Gandhi ${\color{red} \bullet}_{14}{_{14}}{_{BEST}}{_{FEMALE}}$ returned to India from Africa, Singh said. The Indian Council PLAYBACK SINGER of Overseas Employment (ICOE) was looking forward from Indo-Canadians and a Canadian think tank for cooperation on Houseful (Bengali) migration policy issues like the impact of labour migration on Neelanjana Sarkar economic development, he said. "India is a major force in Rajat Kamal international migration dynamics and represents one of the largest and most successful immigrant communities in the

The Pravasi Bhartiya Divas is expected to be opened by •voice that blends the melody, India's Prime Minister Manmohan Singh.

Preeti Saran, Consul General of India, commended the efforts made by Panorama India, Canada India Foundation and Indo-Canada Chamber of Commerce (ICCC) in strength- ${}^{\bullet}_{\bullet}CINEMATOGRAPHY$ ening economic and cultural ties between the two countries. • Kutty Srank (Malayalam)

Prime Minister Manmohan Singh's visit to Canada for the Cameraman: Anjuli Shukla G-20 Summit in June, "infused vitality and content to our Laboratory Processing: relationship (with Canada) and fostered closer cultural bonds between India and Canada," she said.

Saran urged the Indian diaspora in Canada to attend and Rajat Kamal participate in the forthcoming Pravasi Bharatiya Divas.

Ajit Khanna, co-chair, Panorama India, highlighted the contributions made by the Panorama India in strengthening bilateral ties between the two countries.

Brijeshwar Singh, chairman of the National Highway Au- • mystery of a multilayered thority of India pointed out investment opportunities in the narrative. Highway sector and highlighted the achievements of the au-

UNICEF REPORT

Fewer children are dying before they reach their fifth birthday with the total number of under-five deaths falling by one third in the past two decades, the UNICEF has said.

Between 1990 and 2009, the number of children below DIRECTION the age of five who died annually fell from 12.4 million to 8.1 • Dev D (Hindi) million. The global under-five mortality rate dipped from 89 deaths per 1,000 live births to 60 during that period.

"The good news is that these estimates suggest that 12,000 • Pazasi Raja fewer children are dying each day around the world compared • Music Director (Songs): to 1990," UNICEF said in a release accompanying the data, Amit Trivedi issued ahead of next week's UN-hosted world leaders' summit

• Music Director (Background) in New York on the Millennium Development Goals (MDGs).

However, the agency stressed "the tragedy of preventable Score": Ilayaraja child deaths continues."

Some 22,000 children under the age of five continue to $\frac{1}{2}$ Rs 50,000/- each die every day, with 70 per cent of these deaths occurring within

Related matters,

disease.

12 BEST CHILD ARTIST

Pasanga (Tamil) Film

Characters

Jeeva & Anba Karasu

Rajat Kamal

• shoulders carry the narrative

Mahanager @ Kolkata

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ambience of the film.

• For the haunting texture of a

words and rhythm.

Adlabs Films Ltd.

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For the breathtaking sweep • that captures the magical

• 16. **BEST EDITING**

Abohomaan (Bengali)

Arghyakamal Mitra

Rajat Kamal

Rs 50,000/-

17. BEST MUSIC

Kerala Verma

Rajat Kamal

their first year of life.

Under-five mortality increasingly becoming concentrated • in a few countries, with half of all deaths of children below five occurring in just five countries in 2009: India, Nigeria, the Behti Hawa Sa • Democratic Republic of the Congo (DRC), Pakistan and China. • Tha Woh... Sub-Saharan Africa where one in eight children do not live to Rajat Kamal see their fifth birthday continues to be home to the highest Rs 50,000/-rates of child mortality.

That is nearly 20 times the average for developed regions. UNICEF cautioned that although the pace of decline of child • AWARD Kaminey (Hindi) mortality has picked up in the past decade, it is still not enough & Kutty Srank (Malayalam) to meet the MDG target of a two-thirds decline between 1990.

The new figures were published in this year's Levels and Frends in Child Mortality, issued by the UN Inter-agency Group 🖁 Prasad • for Child Mortality Estimation, bringing together several • Rajat Kamal

4th Regional Pravasi **Bhartiya Divas to be** held on 1-2 October this Year at Durban

The 4th Regional Pravasi Bhartiya Divas (Regional-PBD) • Hiren Bora to be held at Durban, South Africa on 1st and 2nd October, Director: Hiren Bora 2010. The theme of this event is 'India and Africa: Building Rajat Kamal • Bridges'. This is being organized in partnership with the Provincial Government of KwaZulu-Natal (KZN) and Government of South Africa. Around 600 to 800 delegates from all II. BEST BENGALI FILM • over Africa are expected to participate in the conference.

A large Indian diaspora lives in Africa. This conference aims to bring all of them together. The Premier of Kwa-Zulu Natal (KZN) province, the Mayor of Durban Municipality, PIO community leaders, prominent businessmen, dignitaries Director: Rituparno Ghosh and other distinguished persons from entire African Continent HIII. BEST HINDI FILM to be participated in the convention.

The event coincides with Mahatma Gandhi's birthday and will also be a part of the year-long celebrations to commemo- Limited • rate the 150th anniversary of the arrival of Indian immigrants • Director: R. Balakrishnan in South Africa from India. Durban has historic significance Rajat Kamal because Mahatma Gandhi lived in Durban from 1893 to 1914 Rs 1,00,000/- Each and first experimented with non-violence and passive resistance based on truth as potent and novel tool of struggle against • IV. BEST ENVIRONMENT apartheid and imperialism in South Africa. The South African FILM INCLUDING • Indian origin community currently numbers around 1.28 mil- • AGRICULTURE lion and constitutes about 2.5% of its total population. About In For Motion Producer: 80% of the people of Indian origin live in the province of • KwaZulu-Natal. Pietermaritzburg, the capital of KZN is noted for its link with Mahatma Gandhi. During his 21-year stay in Director: Anirban Dutta South Africa, Mahatma Gandhi fought against the racist re-RAJAT Kamal gime and founded the Natal Indian Congress.

The International Convention Centre in Durban is the venue of the Conference. The pre-convention events on 1st • • October are 'Business Round Table Conference' and an Aca- • SOCIAL ISSUES demic Seminar on 'Diaspora: Heritage in the Context of Mr. India Globalisation'. There would be five Plenary Sessions on 2nd Producer: Haobam Paban • October beginning with the Opening Plenary. 'The Relevance • of Mahatma Gandhi in the 21st Century' followed by sessions Kumar on 'Business: Opportunity in Africa, 'Education, Youth and Director: Haobam Paban • Gender: Leveraging Knowledge and Technology for Social • Kumar Development,' 'Diaspora: Heritage in the Context of Globalisation'. cultural troupe organized by ICCR will per-• form on the first day at the inaugural function. The programme • Rs 50,000/- Each of local cultural troupes for the second day would be spon- 21. SPECIAL JURY sored by Government of KZN.

The first ever Regional-PBD outside India was organized at New York in September, 2007 and the second one was held at Singapore in October, 2008 and the third 'PBD-Europe' • was held in September, 2009 in The Hague.

RBI raises key rates to tame inflation

Home, auto and corporate loans are likely to become ex- and touching performance in pensive, with the RBI raising key short-term lending and bor- the film Kelkkunnundo. rowing rates by 0.25 and 0.50 percentage points, respectively, to combat inflation. In its maiden mid-quarterly monetary policy • review on Thursday, the central bank upped repo, under which C.S. Venkiteswaran it lends short-term funds to banks, to six percent and reverse (Malayalam) • repo, the short-term borrowing mechanism, to five percent. • Swarna Kamal

The hike in the policy rates, the fifth this year, to cool • Rs 75,000 inflation that is hovering at 8.5 percent may lead to an increase • in commercial lending and deposit rates.

"In early October, interest rates could be revised and chances are there it could be revised upwards," state-run Bank of Baroda's Executive Director R K Bakshi said.

Bankers said they will hold on to the rates till 30th September, which is the half yearly closing of the banks.

High interest rates could temper demand for loans and • ideologies, articulated in a thus curtail consumption, while on the other hand fixed depos- • controlled and expressive its could earn better returns.

18. BEST LYRICS 3 Idiots

 & Kerala Varma Pazhassi Raja (Malayalam) Sreekar

Rs 2,00,000/-

20. **BEST FEATURE FILM**

IN EACH OF THE

LANGUAGE SPECIFIED

OF THE CONSTITUTION

I. BEST ASSAMESE FILM

Basundhara Producer:

• Abohomaan Producer:

Paa Producer: AB Corp

Kelkkunnundo Child artist

• :Aasna Aslam

RAJAT Kamal

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Awarded to child artist Aasna

Aslam for her natural,

sensitive

• For his response to the multiplicity inherent in the

cinematic form from an evolved consciousness of the

medium and a historical sense of its overt/subliminal

World Nuclear Industry

My presentation today is about opportunities and Challenges and opportunities are polarities, and as opposite poles of the magnet they do not exist separately. And moreover an opportunity for some can be a challenge for others, or a challenge today can become an applicable to the nuclear industry and its future.

Current world challenges such as energy demand, for the nuclear industry. The IEA projects that the energy consumption will grow about 50% by 2030 with oping countries. The growth will be mainly based on the growing use of fossil fuels leading the world to a future which the Secretary General of the IEA described as dirty, expensive and unstable. Another concern is energy security which is already a primary challenge for many countries. Competition for natural resources leads to rising prices for fossil fuel. As the IAEA DG Dr. ElBaradei said at the G-8 Summit, "if we ignore insecurities of others, they eventually become our own".

garding the impact of human activities on climate Framework Convention on Climate Change, Mr. Yvo reducing emissions that did not include nuclear energy.

All these world challenges have tended to increase the opportunities for the nuclear power and strengthen operation.

The way in which Nuclear Power has developed in Korea is a clear demonstration of how the challenges can become opportunities. After 30 years of operation in Korea, 20 units of operating NPPs are maintained at a high level of performance and safety, with an average capacity factor of more then 90% compared to the global average of 77.8 percent.

solutions we have to agree about the principles under which nuclear power has to be developed and used. Clearly demonstrating compliance with such principles is of special concern to the countries introducing nuclear power programs.

Many projections forecast significant growth in nuclear power both in countries currently using it and in countries considering its use for the first time. The 2007 IAEA projections indicate that nuclear electricity generation may grow by 15 to 45% by 2020 and by 25 to 95% by 2030. The number of nuclear power reactors is predicted to increase by up to 60% and associated fuel cycle facilities by up to 45% by 2030.

For the global nuclear power to be sustainable and long term, it must respond to the challenges of further development. Among these challenges are the availabilpublic acceptance, aging of the facilities and workforce, complex infrastructure, and non-proliferation.

In my presentation I will focus on those challenges that are marked with the red colour.

Uranium Resources

that there are enough resources, 16-22 Mt. Increased exploration is needed. I would say even more, we have too much uranium. I cannot imagine that we will continue to use uranium as we do now until we have accumulated 16Mt of SF. Closing the fuel cycle will resolve the issue of availability of resources and in addition can help decrease the radiotoxicity of the nuclear waste. Technical solutions for LL and ILW exist. And just last week a remarkable announcement was made, an application for the licensing of Yucca Mountain was sent to the NRC.

This is partly due to the successful operation of nuclear in providing guiding documents, forums for sharing inenergy over the last 20 years and partly to the perception that nuclear energy can make a valuable contribution to reducing global warming. In some countries public perception may be heavily influenced by the lack of

practical and affordable alternatives as well as observa- review services in the areas of infrastructure readiness, challenges for the nuclear industry in the 21 century. tions that nuclear power has made valuable contribu- feasibility studies, draft nuclear law, regulatory frametions to raising living standards in countries like the works and organization, siting issues, human resource Republic of Korea and India.

tone in my coverage of this issue, it remains a chalopportunity tomorrow. All these complexities are fully lenge, and our joint efforts are needed to make this positive tone a reality.

Rising expectations for nuclear power have focused climate change, and energy security are opportunities attention on the human resource and industrial capabilities needed to meet these expectations.

The nuclear facilities and workforce are aging as electricity use doubling globally and tripling in devel- well as a decline in research potential has taken place as shown on this slide. The total number of nuclear power plants in operation worldwide is estimated to employ more than 250 000 people. Over one million people are estimated to have been engaged in supporting the nuclear industry worldwide in 2007. For its sustainable development the nuclear industry must address shortages of experienced personnel, the loss of knowledge and research potential due to retirement in countries with established nuclear programs, as well as the build-Increase in fossil fuel use is a leading concern reing of capabilities in countries starting nuclear program.

The complexity of nuclear technology requires a change. The Executive Secretary of the United Nations highly educated and specifically trained workforce. In some countries, the government has provided incende Boer, said he has never seen a credible scenario for tives to develop academic programs and recruit students to nuclear fields. The Agency is also active in this

With the support of the Agency several networks the achievements in NP development, including its safe (Asian Network on Education in NT, European Nuclear Engineering Network, WNU, etc) have been established for information sharing and attraction of young generation to nuclear activity.

Questions have been raised about whether there is available nuclear industrial capacity to meet the near term demand if high growth projections for nuclear power come true. The nuclear industry in the 1980s was able to support construction of more than two hundred But before speaking about the challenges and their nuclear power plants, which is more then the high projection now foresees, and the world's industrial capacity was a lot smaller then. Manufacturing capability and capacity will need to be rebuilt to service the expected growth in new nuclear power plants. This may already be happening

Needs of Developing Countries

According to IAEA data, 47 countries have expressed an interest in the introduction of nuclear power: 16 are from the Asia/Pacific region (from the Middle East to the Pacific), 15 are from Africa, 10 from Europe and 6 from Latin America. Expansion of existing nuclear programmes is currently largely centred in Asia, where the greatest expansion in energy production is also ex- nisms to ensure supply have been offered by Russia, pected. Many countries in Europe and North America USA, Germany, Japan and an NGO. Specifically, the to contribute to the world's energy supply mix in the also expect to expand their nuclear programmes, though Nuclear Threat Initiative (NTI) offered M\$50 for the esnew construction starts remain to be seen.

Regional cooperation for the introduction of new ity of uranium resources, management of waste, safety, nuclear power plants is also being planned. The Baltic States are planning a regional project at the Ignalina site in Lithuania. The Gulf Cooperation Council states are considering the possibility of a regional approach to the introduction of a nuclear programme

International support for States introducing nuclear My conclusion (and the Red Book confirms it) is power is important to ensure they are making informed Energy Partnership (GNEP) to foster the expansion of decisions on the role of nuclear power in their energy mixes. The IAEA helps countries prepare for the introduction or expansion of nuclear power by 1) helping them ensure that nuclear energy is used safely, securely and with minimal proliferation risk, and 2) meeting the needs of developing countries to build capacity in terms of human resources, energy analysis, regulatory capabilities and other infrastructure necessary for nuclear

The Agency has taken an integrated approach to all the issues that have to be taken into account for the Public perception of nuclear power is changing. introduction of a nuclear power programme, including formation, consultancies and technical meetings and sending multidisciplinary teams to countries requesting assistance with nuclear power infrastructure.

The process also includes specific assistance and pact, non-proliferation and social acceptance.

development and planning, bid evaluation and technol-I would stress that even though I have a positive ogy assessment, owner/operator competence, and safety and security.

> Innovations in nuclear technology are necessary to achieve an increase in nuclear energy's long term contribution to sustainable development. There are a number of international initiatives to ensure and strengthen the future sustainability of nuclear power such as the International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO) and the Generation IV International Forum (GIF).

> The IAEA's project, INPRO, assembles expertise, facilitates information exchange and catalyzes coordinated research among technology holders and technology users including potential users to ensure that new designs meet the needs of all countries, and especially developing ones.

> Improvements in sustainability are considered by INPRO in the context of developments in the areas of safety, economics, proliferation resistance, waste management, environment, resources utilization security and infrastructure. INPRO methodology provides a method for the holistic assessment of innovative nuclear sys-

> The expansion of nuclear power will increase the nuclear material in use and may increase the risk of proliferation or terrorism. The need to consider the challenges associated with the expansion of nuclear power has led to a number of international initiatives based on the idea of strengthening multinational control over, and assurance of, the supply of nuclear technology and materials. The IAEA Director General Dr. ElBaradei has proposed as the first step establishment of a mechanism to assure the supply of nuclear fuel. This back-up mechanism in which the IAEA becomes "a guarantor for the supply of fissile materials to civilian nuclear users" could add further confidence by helping to protect against political disruptions.

> The DG established a group of experts to review multilateral arrangements relevant to the front-end and back-end of the nuclear fuel cycle as well as the policy, legal, security, economic and technological elements of cooperation. Two factors dominate the assessments made by this group: assurance of non-proliferation and assurance of supply. Five steps were identified, including establishment of a fuel bank, a role for the IAEA as a guarantor of service supply, and further steps toward multilateral control over the sensitive FC technologies.

> Practical proposals for the introduction of mechatablishment of a fuel bank.

> Russia, Kazakhstan and Armenia have established an International Uranium Enrichment Center at Angarsk to provide access to the benefits of nuclear energy to interested countries in compliance with non-proliferation. An agreement on a fuel bank under the IAEA's control at Angarsk is also under development.

> In addition, the USA launched the Global Nuclear nuclear energy while enhancing security and non-proliferation, focusing on reliable fuel services and the closed fuel cycle with technology without separated plutonium. As of February 2008, GNEP has 21 partners, and 3 observing international organizations. The fully developed framework is a complex endeavour to be developed in stages.

> In conclusion, nuclear power, by itself, is not a panacea for global energy security. It has the potential to be a significant, reliable, sustainable and environmentally friendly energy source that can contribute to providing access to affordable energy services in all interested countries for present and future generations. To realize this potential any use of nuclear energy should be designed to be beneficial, responsible and sustainable, and undertaken with due regard to safety, environmental im-

Opinion Editorials

Two "rising stars" 21st century

Chitra Singh Rajput

A HUNDRED years ago it was Tibet and Kashmir that in perhaps already possible to discern the rising powers whose interaction and competition would shape the 20th century. The sun that shone on the British empire had passed midday. Vigorous new forces were flexing their muscles on the global stage, notably America, Japan and Germany. Their emergence brought undreamed-of prosperity; but also carnage on a scale hitherto unimagin-

India, too, is unnerved. Its humiliation at Chinese hands in a brief war nearly 50 years ago still rankles. A tradition of strategic mistrust of China is deeply ingrained. India sees China as working to undermine it at every level: by pre-empting it in securing supplies of the energy both must import; through manoeuvres to block a permanent seat for India on the United Nations Security Council; and, above all, through friendships with its smaller South Asian neighbours, notably Pakistan. India also notes that China, after decades of setting their border quarrels to one side in the interests of the broader relationship, has in recent years hardened its position on the disputes in

1962 led to war. This unease has pushed India strategically closer to America-most notably in a controversial deal on nuclear co-operation. Autocrats in Beijing are contemptuous of India for its messy, indecisive democracy. But they must see it as a serious long-term rivalespecially if it continues to tilt towards America. As recently as the early 1990s, India was as rich, in terms of national income per head. China then hurtled so far ahead that it seemed India could never catch up. But India's long-term prospects now look stronger. While China is about to see its working-age population shrink (see article), India is enjoying the sort of bulge in manpower which brought sustained booms elsewhere in Asia. It is no longer inconceivable that its growth could outpace China's for a considerable time. It has the advantage of democracy-at least as a pressure valve for discontent. And India's army is, in numbers, second only to China's and America's: it has 100,000 soldiers in disputed Arunachal Pradesh (twice as many as America will soon have in Iraq). And because

India does not threaten the West, it has powerful friends both on its own merits and as a counterweight to China. The prospect of renewed war between India and China is, for now, something that disturbs the sleep only of virulent nationalists in the Chinese press and retired colonels in Indian thinktanks. Optimists prefer to hail the \$60 billion in trade the two are expected to do with each other this year (230 times the total in 1990). But the 20th century taught the world that blatantly foreseeable conflicts of interest can become increasingly foreseeable wars with unforeseeably dreadful consequences. Relying on prosperity and more democracy in China to sort things out thus seems unwise. Two things need to be done. First, the slow progress towards a border settlement needs to resume. The main onus here is on China. It has the territory it really wants and has maintained its claim to Arunachal Pradesh only as a bargaining chip. It has, after all, solved intractable boundary quarrels with Russia, Mongolia, Myanmar and Vietnam. Surely it cannot be so difficult to treat with India?

That points to a second, deeper need, one that it took Europe two world wars to come close to solving: emerging Asia's lack of serious institutions to bolster such deals. A regional forum run by the Association of South-East Asian Nations is rendered toothless by China's aversion to multilateral diplomacy. Like any bully, it prefers to pick off its antagonists one by one. It would be better if China and India-and Japan-could start building regional forums to channel their inevitable rivalries into collaboration and healthy competition. Globally, the rules-based system that the West set up in the second half of the 20th century brought huge benefits to emerging powers. But it reflects an out-of-date world order, not the current global balance, let alone a future one. China and India should be playing a bigger role in shaping the rules that will govern the 21st century. That requires concessions from the West. But it also requires commitment to a rules-based international order from China and India. A serious effort to solve their own disagreements is a good place to start.

DEVELOR INDIA

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Scientists identify new superbug

Scientists have warned that a new superbug identified in the United Kingdom could spread around the world after arriving from India. Researchers said on Wednesday they had found a gene called New Delhi metallo-betalactamase, or NDM-1, in patients in South Asia and in Britain.

NDM-1 makes bacteria highly resistant to almost all antibiotics, including the most powerful class called carbapenems, and experts say there are no new drugs on the horizon to tackle it.

In a study published in The Lancet Infectious Diseases journal on Wednesday, the researchers found that NDM-1 is becoming more common in Bangladesh, India, and

But with increasing numbers of people embarking on socalled 'health tourism' trips to India and Pakistan for cheaper treatment the superbug could quickly spread, the scientists warned.

"At a global level, this is a real concern," Timothy Walsh, who led the study, said.

"Because of medical tourism and international travel in general, resistance to these types of bacteria has the potential to spread around the world very, very quickly. And there is nothing in the [drug development] pipeline to tackle it."

Positive samples

Multi drug-resistant bacteria are already a growing problem in hospitals across the world, marked by the rise of superbug infections like methicillin-resistant Staphyloccus aureus [MRSA].

Walsh and his international team collected bacteria samples from hospital patients in two places in India Chennai and Haryana - and from patients referred to Britain's national reference laboratory between 2007 and 2009.

They found 44 NDM-1-positive bacteria in Chennai, 26 in Haryana, 37 in Britain, and 73 in other sites in Bangladesh, India, and Pakistan.

Several of the British NDM-1 positive patients had recently travelled to India or Pakistan for hospital treatment, including cosmetic surgery, they said. Experts commenting on Walsh's findings said it was important to be alert to the new bug and start screening for it early.

"We are potentially at the beginning of another wave of antibiotic resistance, though we still have the power to stop it," Christopher Thomas, a professor of molecular genetics at the University of Birmingham who was not linked to the study, said.

Thomas said better surveillance and infection control procedures might halt the gene's spread.

He said while people checking into British hospitals were unlikely to encounter the superbug gene, they should remain vigilant about standard hygiene measures like properly washing their hands.



(GPS Aided Geo Augmented Navigation)

Suraj Singh Rajput

To Provide Satellite Based Augmentation System Services over India and neighbouring regions the GPS Aided Geo Augmented Navigation (GAGAN) - a Satellite Based Navigation System (SBNS) is being launched on August 10, 2010 by the Union Minister for Civil Aviation, Shri Praful Patel. This system is expected to provide enhanced navigation performance for critical applications like Civil Aviation, Marine Navigation, Train & Road Transport, Precision Farming, Search and Rescue (SAR) operations, Surveying and Mapping (Geodetic & Geodynamic), Mining etc. GAGAN is a planned implementation of a Satellite Based Navigation System developed by Airports Authority of India (AAI) and Indian Space Research Organisation (ISRO), to deploy and certify an operational SBAS for the Indian Flight Information Region, with expansion capability to neighbouring Flight Information Regions (FIRs). When commissioned for service, GAGAN is expected to

Development Program

provide a civil aeronautical navigation signal consistent with International Civil Aviation Organization (ICAO) Standards and Recommended Practices (SARPs) as established by the Global Navigation Satellite System Panel (GNSSP). ICAO has endorsed Global Navigation Satellite System as Future Air Navigation System (FANS) for civil aviation. The project involves establishment of a full complement of Satellite Based Augmentation System (SBAS) consisting of 15 Indian Reference Stations (INRES), 3 Indian Navigation Land Uplink Stations (INLUS), 3 Indian Mission Control Centers (INMCC), 3 Geostationary Navigation payload in C and L bands and with all the associated Software and Communication

Global Positioning System (GPS): The Global Positioning System (GPS) is a satellite navigation system designed to provide instantaneous position, velocity and time information anywhere on the globe and in its vicinity. The baseline satellite constellation consists of 24 satellites positioned in six earthcentered orbital planes. The orbital period of a GPS satellite is one-half of a sidereal day or 11 hours 58 minutes. The orbits are nearly circular and equally

spaced about the equator at a 60-degree separation with an inclination of 55 degrees relative to the equator. The orbital radius is approximately 26,600 km. With the baseline satellite constellation, users with a clear view of the sky have a minimum of four satellites in view. Current GPS constellation cannot support requirements for all phases of flight. Integrity is not guaranteed (all satellites are not monitored at all times; time-to-alarm is from minutes to hours, no indication of quality of service).. Accuracy is not sufficient (even with Selective Availability off, vertical accuracy>10m). Availability and continuity must be met.

How GAGAN works: The Global Navigation Satellite System (GNSS) data is received and processed at widely dispersed INRES which are strategically located to provide coverage over the required service volume. Data is forwarded to the INMCC, which process the data from multiple INRES to determine the differential corrections and residual errors for each monitored satellite and for each predetermined ionospheric grid point (IGP). Information from the INMCC is sent to the INLUS and uplinked along with the GEO navigation

message to the GAGAN GEO satellite. The GAGAN GEO satellite downlinks this data to the users via two L-band ranging signal frequencies (L1 and L5), with GPS type modulation, to improve the accuracy and availability and provide integrity.

GAGAN Benefits To Civil Aviation Sector: Improved Efficiency/Economy

- Ø Direct Routes
- Ø Increased Fuel savings Ø Precision approach at all
- Ø Significant cost savings due to withdrawal of ground
- Ø Reduced workload of Flight Crew and ATCOs Ø Improved Capacity through reduced aircraft separation
- Ø Higher Accuracy, Global Coverage-*Improved* Safety
- Ø Controlled Flight into Terrain (CFIT)
- Ø Enhanced Air-to-Air Surveillance: ADS-B Ø Availability of MSAW facility (Min. Safe Altitude Warning)
- Ø Reduced Noise Pollution To Non-Civil Aviation Sector
- Ø Marine Navigation Ø Train & Road transport
- Ø Precision Farming Ø Search and Rescue (SAR) operations
- Ø Surveying (Geodetic & *Geodynamic)*

Ø Scientific community.



The government expects inflation to cool to six percent by prose where the insight December. "Rate of interest may have to go up. Pressure is allows him to remain there to increase rates in the near term," Bank of Maharashtra nonjudgmental CMD Allen Pereira said.

Short-term funds would get little costlier and there is possibility that the short-term (deposit) rates could also go up in First of its kind the future, bankers said.

Central Bank of India CMD S Sridhar said, "Bankers will: walk-in show at: adopt a calibrated approach. The examination of interest rates is on cards as cost of funds for banks is increasing.'

However, a few bankers ruled out increase from 1st Oc- • ()ct tober as they will wait for further policy action of RBI.

"EMIs are not going to go up from October 1. The quarter • Aiming at showcasing India's percentage increase in policy rates were expected. Further rate cultural heritage, a first of its hikes by bank will depend on the next policy review," HDFC kind 'walk-in show' will Chief Executive Keki Mistry said.

He said a further increase in rate in the second quarter visitors during the review in November could lead to higher rates.

Following an identical hike in repo and reverse repo rates • in July, 40 banks raised deposit rates and 29 lending rates.

The RBI too wants deposit rates to go up as there is a Aamir Reza Hussain, the need to make the real interest rates, the difference between one-hour show will include inflation and deposit rate, positive. "...real interest rates need multi-media and water to move in the direction of encouraging bank deposits", the projections. central bank said.

Industry chamber Ficci also expressed the fear that rising • sound show before the interest rates would hit business.

"Increasing repo rate is another signal of rising the cost of borrowing...hopefully it is the last such... restrictive action towards growth. We hope to see this restrictive policy eased in • which begins from the the next round", said Ficci secretary general Amit Mitra.

Expressing concern over the RBI move, PHD Chamber point of the Fort itself. said, "This will adversely impact the cost of borrowing by the • "The show set up at an industry from the banks, especially by the SMEs. It may also estimated cost of about Rs 6 the cost of home loan as well as consumer loans."

For RBI the major concern in inflation as "headline infla- $^{\bullet}_{\bullet}$ right from the entry gate and tion remains significantly above the trend of 5.0-5.5 per cent continue upto the Sawan in the 2000s.

"I think it (the RBI move) is in the right direction because now the corridor (difference between repo and reverse repo) • has been narrowed down and still inflationary pressure is there • said the official. in the system," Finance Minister Pranab Mukherjee told re- • The trial will begin on 27th porters in New Delhi on Thursday.

The 100 basis points gap between repo and reverse repo become operational before marks the return to the pre global financial meltdown level.

Planning Commission Deputy Chairman Montek Singh • "The show will feature Ahluwalia said: "This (hike) is in the right direction and on the India's cultural heritage expected lines. This is not going to affect the economic growth."

Government data last month showed that the economy grew by an impressive 8.8 percent in the April-June quarter, driven by a robust manufacturing sector.

However, the central bank wondered if the industrial ex- show that includes pansion data was reflecting the reality.

"Although the year-on-year growth rate for the first four projection will become months of the year remains robust at 11.4 per cent, the high operational at the Old Fort volatility over the past two months raises some doubts about • during the Games. how effectively the index reflects the underlying momentum in the industrial sector," RBI said.

The data on the Index of Industrial Production (IIP) showed that industrial growth accelerated to 13.8 percent in • July from 7.2 percent a year ago, belying all expectations of • PATA Grand slowdown.

RBI described the data as volatile since the previous month Award & Two it was just 7.1 percent, which was further revised down to 5.6 **PATA Gold** percent, analysts said

FMC bill gets cabinet clearance

After a chequered history, a bill which promises to elec- and two PATA Gold Awards trify the seven-year old commodity futures market and put the during the Pacific Asia Travel commodity regulator on a par with its capital market counterpart, Sebi, will be tabled in Parliament during the winter ses
Mart 2010 which concluded

The Cabinet on Thursday approved amendments to the •in Macau today. The PATA Forward Contracts (Regulation) Act 1952, paving the way for Grand Award was given the introduction of the Forward Contracts (Regulation) Amend- under the Heritage category ment Bill, 2010 in Parliament. If passed by the both the Houses, • for the Rural Tourism it will pave the way for local and foreign institutional investors Project at Hodka village in in commodity futures and bring in new products. Significantly, *Kutch District of Gujarat. such a law can also transform the Forward Markets Commis- The citation said, "The scale sion (FMC) from a department, overseen by the Ministry of Consumer Affairs, into an independent body with regulatory and financial autonomy.

* Futures trading in commodities was restarted in 2002- major positive impacts on the domain. 03, after almost four decades, with the establishment of three community." national level exchanges, including MCX, NCDEX and NMCE. • The two PATA Gold Awards

* At present, the parent ministry frames policy for the • were bestowed on the commodity futures market, consisting of four national and 17 Ministry under the Marketing regional commexes, while FMC implements it. Under the Media-Travel amended Act, FMC will be able to raise fees from transactions Advertisement Print Media undertaken on the commodity exchanges, recognise and • and Marketing – Primary derecognise exchanges, increases its manpower on lines similar to that of Sebi, facilitate the entry of foreign and domestic • Government Destination

and suggestive.

:Red Fort from

unfold at Red Fort for Commonwealth Games. Conceived and prepared by

 Unlike the earlier light and Diwan-e-Khas, the new event is a "walk-in show" Nahabat Khana, the entry crore will engage the visitors Bhado premise in front of the fountain at the Red Fort,'

September and it will the Games.

• during Mughal period," the official said.

Besides, a light and sound monument-based multimedia

Ministry of Tourism Wins

:Awards

Ministry of Tourism,

Government of India has • won a PATA Grand Award Association (PATA) Travel of this project is very welcome and could have

institutional investors such as banks, mutual funds and FIIs categories. The Eco-tourism • into the commodities market and introduce user-friendly prod- Marketing Campaign, which • ucts such as options and indices in a market which currently won India, the Gold Award offers only plain vanilla futures contracts to participants. While • FMC has suspension powers of up to three years under the • present act, its penal powers are muted. This will also change under the amended act.

* The FCRA Amendment bill was first tabled in the "Targeting the World Climate Rajya Sabha in 2003-04 but could not be passed due to the Summit held in Copenhagen dissolution of the Lok Sabha. Subsequently, an ordinance passed was an innovative idea to • in January 2008 lapsed since it could not be taken up by Par- • contribute to the Summit's liament. An ordinance lapses if it is not introduced within six Debate" the judges said weeks from the time Parliament convenes.

* In the financial year to August, cumulative commodity futures turnover grew by 57% to Rs 42.76 lakh crore. Over the same period, turnover on BSE and NSE, including cash & F&O segments, was Rs 116 lakh crore.

ASEAN dragging its feet on RTA for vices with India

Most countries in the powerful economic bloc fear "be- oworld. Shri R. H. Khwaja, • ing swamped" with professionals from the country, especially • Secretary, Ministry of in areas such as education, health, IT and accountancy. New Tourism, Government of Delhi feels the Association of South East Asian Nations (Asean) • is getting panic attacks in the midst of trade talks aimed at • opening up its services segment to players from India. Experts $^{\bullet}_{\bullet}$ delegation from India to the watching the situation say Indian negotiators made a big mis- PATA Travel Mart 2010 • take by entering into a deal on goods before signing a pact on • received the PATA Grand services. They add that while Asean stood to gain a lot from Award and Shri Anand the agreement already signed, India still awaits a breakthrough Kumar, Joint Secretary, • in talks to sign a services deal, which will be manna for its • Ministry of Tourism, services industry.

Bad economics behind carbon emissions reduction

We have been avidly following the writings of Bjorn Lomborg for quite some time. He has been consistently argu- world university ing that emission reductions would not make sense -- economically. Now his ideas seem to have been endorsed by rankings • R&D undertaken by a thinktank. A prominent finding of that • The University of research goes like this:

Trying to keep temperature increases under 2°C, as the • G-8 industrialised nations have promised to do, would require • emissions reductions of about 80% by midcentury. Based on • conventional estimates, this would avoid total climate damages of about \$1.1 trillion across the century. However, it would • named number one cut economic growth by around \$40 trillion a year. In other university in the world in the words, we would effectively be spending \$40 trillion every year by the end of the century to do just over \$1 trillion worth Rankings. of total good.

He goes on to add that this estimate is wildly optimistic. • edged out Harvard to • The calculation assumes that over 100 years, politicians ev- • become the first non-US • erywhere in the world will consistently enact the most effi- university ever to top the list. cient, effective laws imaginable to reduce carbon emissions. QS World University • Dump that far-fetched assumption and the cost could jump by • Rankings measure university

To put it starkly, such drastic carbon cuts are likely to do a employability, teaching lot more damage than climate change to our quality of life commitment and (especially for those in the developing world).

Rehashed of land quisition bill

The Land Acquisition (Amendment) Bill sets aside three • as selected by more than categories of projects for which the government can acquire \$\int_{15,000}\$ academics around the 100% land. These include establishment of installations per- world. • taining to national security, infrastructure and facilities designated as "social infrastructure," such as health, education and *Seychelles

For any project other than the above, land could be acquired in the 70:30 ratio, with the company planning to set up tional Criminal the facility on that land being asked to purchase 70% of it. The state government would step into the picture only after \dot{ullet} Court the private player had done its bit, by agreeing to take over the remaining 30% if it felt the project fell in the "public purpose"

On the compensation package, the Resettlement and Rehabilitation Bill wanted the displaced persons to be granted latest country to ratify the • 60% solatium over and above the market rate of the land • being taken over. Market rate was defined as the average of the highest transactions in the last three in the same area on a

Even these highly liberalised provisions are not going to convince the Trinamool Congress as it has been saying that it • is opposed to the governments -- either at the Centre or at the • State level having anything to do with land acquisition.

under Primary Government Destination was judged as an "Excellent Objective".

while selecting the entry for

The Awards were given away at a glittering function held in Macau today by the • Chairman – PATA, CEO -PATA and the Director, **Ser-** Macau Government Tourist Office, in the presence of over 1000 buyer and seller • delegates from across the India who headed the Government of India received the two Gold

> will be held in Delhi in September 2011.

• The PATA Travel Mart 2011

Cambridge tops

Cambridge, where several top Indian leaders including Prime Minister Manmohan Singh have studied, has been • 2010 QS World University

Cambridge University has • international commitment, using a combination of global surveys and audited data, • including citation counts. The University was voted the best for research quality,

join Interna-

11 August 2010 – The Indian Ocean archipelago of • Seychelles has become the





Massive protests in Berlin against the government's nuclear energy policy

Anti-nuclear protestors took to the streets of Berlin on of force for that country on 1 Saturday to voice their anger over the government's decision November, according to a to extend the lifespans of Germany's atomic reactors. Organizers say around 100,000 people took part.

At least 30,000 people marched through the streets of Berlin to voice their anger over the government's decision to headquartered. keep nuclear reactors in use beyond a deadline set by the previous government.

The demonstration was organized by various environmental and anti-nuclear groups, with high-ranking politicians from • opposition parties also taking part.

People formed a human chain around Germany's parliament building, the Reichstag, and the chancellery, while using whistles and hooters to stage a "nuclear alarm." There was also a rally at Berlin's central railway station.

"We will show the government that it won't get very far the sake of present and with its nuclear energy policy," said one of the organizers Jochen future generations."

Organizers say around 100,000 people took part in the • after the number of demonstrations, far more than expected. The police say, there ratifications passed 60 that were at least 40,000 protestors.

The previous government decided in 2000 to shut down • means there are now 112 all nuclear plants by 2021, but the current governing coalition States Parties to the statute. of Angela Merkel's Christian Democratic Union and the Free An independent, permanent Democratic Party now wants to extend that deadline by 10 or ocurt, the ICC is currently 15 years as a stop-gap measure until renewable energy sources • investigating events in five are more developed.

The opposition parties as well as environmental and some • the Democratic Republic of renewable energy groups accuse the government of pandering • the Congo (DRC), Sudan's to the big energy providers.

Barrels with atomic sign on them stacked up by African Republic (CAR) and Brandenburg gateBildunterschrift: Großansicht des Bildes mit Kenya. An individual State or der Bildunterschrift: Germany has no permanent storage facility for nuclear waste

"The government's decision to extend the lifespans of nuclear reactors is a dirty deal and it favors companies like RWE, E.On, EnBW and Vattenfall," Juergen Trittin, the head *Colombia and of the Greens in parliament and former environment minister said at the rally.

But the government defended its policy on Saturday, accusing the opposition parties of playing into people's fear of atomic energy without offering real solutions.

"Back then, the former governing coalition of Greens and establish diplomatic relations Social Democrats decided to turn its back on nuclear energy without thinking it through," Hermann Groehe, secretary generecently inaugurated eral of the Christian Democrats said.

Beijing buys more **US** debt

China increased its holdings of United States treasury debt in July after two months of net sales and economists say it is • future as two of the world's largest economies become inand Venezuela have agreed

2005. Although she has now been cleared of defamation. China agree on creasingly interdependent. China's holdings of treasury bonds • rose slightly to \$846.7 billion in July after two months of de- after a dispute over clines, the US Department of Treasury reported on Thursday. Fallegations that Caracas

The news allayed concerns that Washington's largest credi- shelters Colombian leftist tor was moving away from investing in dollar assets.

Coincidentally, the debt data came out at the same time as • Presidents Juan Manuel two congressional hearings were being held in the US on China's Santos of Colombia and exchange rate policy. The hearings were attended by Treasury Hugo Chaves of Secretary Timothy Geithner, who called for "a significant and • Venezuela agreed to sustained appreciation of the yuan over time" and "a more "relaunch bilateral relations balanced economic relationship".

Economists said the ongoing debate over China's exchange • ties between the two rate and fears about dwindling demand for US treasuries re- • countries based on flected increasing interdependence between the US and China, transparent and direct which is likely to become the world's second largest economy dialogue," a joint statement this year.

In the testimony to the hearing at the House Committee of meeting said. Ways and Means, Geithner acknowledged that the two coun- The two leaders expressed tries "have significant economic interests" in their relationship optimism that their first and highlighted the importance of the Chinese market on the • meeting would produce US economic recovery. "A strong and growing China benefits positive results. the US, just as a strong and growing US is good for China," • Geithner said. During the first seven months of this year, US exports to China surged 36 percent year-on-year. At the same time, China's exports to the US grew by 21 percent.

China has become the US' third-largest export market and now accounts for 6.8 percent of the country's total overseas sales. Yao Jian, the Ministry of Commerce spokesman, said • on Wednesday the two economies are highly complementary and pledged to boost bilateral economic ties by purchasing erelations with Colombia on more goods from the US. Yao said a Chinese trade delegation • July 22 after the government

International Criminal Court • (ICC), which is tasked with trying people accused of • genocide, crimes against • humanity and war crimes. Seychelles ratified the 1998 Rome Statute yesterday, which means it will enter into • press release issued by the • court in The Hague, the Dutch city where it is

• The ICC said the ratification means Seychelles has joined "the growing group of States • determined to put an end to • impunity for the perpetrators • concern to the international • community as a whole, for

• The ICC was set up in 2002 • year. Seychelles' move countries or regions: Uganda, Darfur region, the Central • the Security Council can

Venezuela re-

Venezuela and Colombia re-

refer cases to the court for

investigation.

• after a meeting between President of Colombia Juan Manuel Santos and Venezuelan President Hugo • Chávez in Santa Marta, Colombia, mediated by and re-establish diplomatic issued after Tuesday's

Santos said he also received assurances from Chavez that • the Venezuelan leader would not allow guerrilla groups to set up camp inside his

led by Wang Chao, the vice-minister of commerce, is visiting of Alvaro Uribe, Santos' • the US and seeking trade and investment opportunities in the • predecessor, publicly • energy and technology sectors. Given the uncertain global and • presented photos, videos and European economic prospects, however, China is not likely to maps of what it said were • make major adjustments to its US debt investments, predicted • camps inside Venezuela that Zhang Xiaojing, an economist with the Chinese Academy of belonged to the Social Sciences. "China's holdings of US debt may not fluctu- Revolutionary Forces of ate much in the coming months," Zhang said. And economists Colombia (Farc) rebel group. said the fact that China had bought more treasury bonds does Chavez accused Uribe of not mean it has stopped diversifying its foreign exchange re- lying and trying to stir up a

China has been a major buyer of Japanese debt this year, office. • having snapped up \$27 billion worth in the first seven months. • It also doubled its holdings of South Korean debt, to \$3.4 billion in the first half of this year. "Though there is no direct reporting from Santa relationship between China buying into the yen and dumping dollar assets during the past few months, it was a good option to diversify the country's colossal foreign exchange reserves • on the debts of countries with strong trade ties to China," said • "It is a very sensitive topic at Jinny Yan, an economist at Standard Charted Bank.

Experts also noted that it is essential to make sure that • meeting was mainly a of the most serious crimes of • cooperation between China and the US is not derailed by ex- • common pledge to restore change rate disputes. "If the benign relationship in economic diplomatic relation between • areas is dampened due to the exchange rate rift, it is highly • the countries." • likely that there will be a negative impact on China and US • Trade between the cooperation in other crucial areas, such as security and diplo- neighbouring countries had macy," said Shi Yinhong, a senior scholar in American studiesalready fallen dramatically in • at the Beijing-based Renmin University of China. "China and • the past year as relations the US maintain a relatively low level of cooperation and lim- deteriorated. • ited strategic trust on security issues. The increasing interde- • Tense relations pendence of China and the US is mainly in the area of economy • Relations between Colombia

Hanif Kureishi scoops **PEN Pinter prize**

Courageous and irreverent" novelist and playwright Hanif Kureishi has won this year's PEN Pinter prize, which goes to • trafficking. a writer who – in the words of Harold Pinter's Nobel speech – casts an "unflinching, unswerving" gaze upon the world.

Pinter's widow, Lady Antonia Fraser, and a panel of judges including Lisa Appignanesi and Mariella Frostrup chose Kureishi as winner of the award established last year by English PEN in memory of the Novel-winning dramatist, its former vice-presi-• dent. The prize aims to honour a writer of "outstanding literary merit" who exemplifies Pinter's own "fierce intellectual determination ... to define the real truth of our lives and our was unlikely to arise yet. societies".

Fraser said Pinter "would have been proud" of the selection of Kureishi, author of the Whitbread award-winning novel The Buddha of Suburbia and the Oscar-nominated screenplay My Beautiful Laundrette. "Hanif Kureishi courageously and irreverently speaks the truth about life in our multicultural world, beyond any platitudes of political correctness," she said.

Kureishi will receive his prize on 20 October, when he will • also present the International Writer of Courage prize – for an • author who has been persecuted for speaking out about his or her beliefs – to Mexican journalist and human rights activist UNASUR Secretary General Lydia Cacho. Cacho, a columnist for the Mexico City news-• paper El Universal, was imprisoned, harassed and tortured • Nepal and The presidents of Colombia after publishing a book exposing a child pornography ring in

> Last year, poet and playwright Tony Harrison won the **height** • inaugural PEN Pinter prize, worth £1,000.

Babri Verdict

India's one of the most divisive and sensitive Babri dis-of Mount Everest. They pute, will came after a sixty year trial. The High Court in agreed that the world's Lucknow is scheduled to give its verdict on September highest mountain - which 24, 2010.

The government has been gearing up to prevent that. Nearly • 1.5 lakh policemen will patrol the streets. 4000 paramilitary • tall. The Chinese previously men will support them. Districts that have been identified as argued it should be measured hyper-sensitive will get special protection. The three judges by its rock height. Nepal said who will deliver the verdict and the High Court will be cov- it should be measured by its ered by a thousand policemen.

The government appealed for "the people of India to en-• sure that the delivery of the judgment is seen as part of the • Nepal's capital Kathmandu, judicial process."

Information and Broadcasting Minister Ambika Soni said, 'All must maintain equanimity and tranquility in aftermath of now designated as 8,848m. • the judgment. No section must provoke another section."

On December 6, 1992, thousands of kar sevaks, led by claim that the rock height of BJP and RSS leaders, demolished the Babri Masjid in Ayodhya, Everest is 8,844m. in what they described as their fight to reclaim the birthplace *Correspondents say that of Lord Ram. Communal riots followed.

The Prime Minister is said to be monitoring the security

conflict in his final days in

Al Jazeera's Teresa Bo, Marta said that the topic Venezuelan support for the • this point in time, and this

 and Venezuela already suffered in July 2009, when Chavez froze ties after • Bogota agreed to give the United States access to seven military bases to fight

cocaine production and Colombian foreign minister Maria Angela Holguin said • the leaders were likely to discuss the bases, but that the sensitive issue of the alleged presence of the Farc leadership on Venezuelan soil More immediate concerns of the return of ambassadors and the reopening pf borders to bilateral trade were expected to be the

Trade between the South American neighbours - \$6bn in 2008 - fell precipitously during the dispute, hurting economies on both sides of

Mount Everest's

China and Nepal have agreed a solution to a long-running • disagreement over the height • traverses the border of the two countries - should be recognised as being 8,848m • snow height - this is four metres higher. During talks in China accepted that claim. This means the official overall height of Everest is Nepal also recognises China's • while thousands of people have climbed the mountain since the first ascent in 1953

preparations ahead of this month's verdict.

As the Ayodhya title suit verdict date nears, the News Broadcasters Association has set guidelines for electronic media asking them not to speculate about the judgement and not to show the footage of 1992 Babri Masjid demolition.

The guidelines say that the Ayodhya issue is a matter in which "extra care" is necessary to ensure that the telecast of any news relating to it should not be sensational, provocative height has been disputed ever exported paintings worth •28 million (\$36 million). or inflammatory.

"The basic guideline to be adhered to is that all such news should conform strictly to sub-serving the public interest of of 8,848m was first recorded maintaining communal harmony and preservation of the secu- by an Indian survey in 1955. lar ethos of our plural society and it should influence the for mation of the correct public opinion," the guidelines said.

It said no broadcast should be made of any speculation of •But geologists say that the the judgement before it is pronounced and of its likely consequence thereafter which may be sensational, inflammatory or Everest could be wrong. provocative.

"No footage of the demolition of the Babri Masjid is to be is becoming higher as India is shown in any news item relating to the judgement," it said, adding no visuals need be shown depicting celebration or pro- • shifting continental plates. test of the judgement.

The judgement in the Ramjanambhoomi-Babri Masjid dispute will be delivered on 24th September with the Allahabad High Court on Friday rejecting a petition for mediation on the ground that it was aimed at "creating obstruction" in the final been officially accepted by disposal of the matter.

The Uttar Pradesh Government is also beefing up secu-Second rity across the state to deal with any law and order problem that may arise after the court verdict.

The NBA Guidelines said in view of the "ultra sensitive nature" of the Ayodhya issue, the reporting of the judgement *Climate Change in this case requires adherence to the Code of Ethics and cer- The second International tain specific guidelines issued from time to time.

"In view of the sensitivity of news reporting on this issue • Development in Semi-Arid extra care should be taken to ensure accuracy by vetting and Regions organised in clearance at the highest editorial level," it said.

The NBA said it expects strict adherence to these guidelines to avoid any violation which may attract strict action.

China has become the centre of a big industry

China's wealthy elite have for many years de
maximizing the development veloped a taste for Western food, wine and culture.

The demand for recreations of classical European conventions of the United works of art has also been steadily rising.

The village of Dafen in southern China has be- the fight against come the centre of a big industry, with about 8,000 desertification. The opening artists responsible for creating 60 per cent of the Coordinator of ICID 2010 world's oil paintings.

But for the workers painting the fakes, it is all Executive Secretary of the about bringing industrial efficiency to their art.

Southern China is the world's leading center for Luc Gnacadja, World Bank mass-produced works of art. One village of artists exports about five million paintings every year most of them copies of famous masterpieces. The fast- Environment Jose Machado, est workers can paint up to 30 paintings a day.

A giant hand raises an impressive paintbrush Conference, the Decade on into the sky at the entrance to the art village. The Deserts and Combating bronze sculpture outside the gates of Dafen in southern China leaves no visitor in doubt as to what the oat promoting global people do here. The "village" is in fact a modern discussion up to 2021 in suburb of Shenzhen, a city with 10 million inhabitants northeast of Hong Kong, and it has achieved unexpected fame and relative prosperity. But the ecosystems and city's ostentatiously advertized success has little to



by Sherpa Tenzing Norgay and Edmund Hillary, its exact • since the first measurement was made in 1856.

The broadly-accepted height It measured the mountain's snow cap, rather than the rock beneath it.

estimates of both countries

over the height of Mount They say that the mountain gradually pushed beneath China and Nepal because of In May 1999 an American team used GPS technology • to record a height of 8,850m a figure that is now used by the US National Geographic

:International **Conference on**

Society - although it has not

Nepal.

Conference on Climate, Sustainability and Fortaleza, capital of the • Brazilian state of Ceara. The meeting brings together policy makers, scientists and members of civil society to promote safe and sustainable development in semi-arid regions of the world. • To support the possible Rio+20 in 2012 and other global public policy forums, ICID 2010 aims at effects of the existing Nations on climate change, biodiversity protection and ceremony was attended by Antonio Rocha Magalhaes, United Nations Convention • to Combat Desertification Director Makhtar Diop, Executive Secretary of Brazil's Ministry of • and Governor of Ceara Cid • Gomes. During the Desertification will be • launched. The initiative aims • search of alternatives to reduce environmental

desertification on the planet.

do with creativity: It's based on the reproduction of **Rwanda Presi-**famous artworks on an industrial scale.

In just a few years, Dafen has become the leading production center for cheap oil paintings. An es timated 60 percent of the world's cheap oil paintings are produced within Dafen's four square kilometers **Vote** (1.5 square miles). Last year, the local art factories Rwandan President Paul Foreign art dealers travel to the factory in the south of the communist country from as far away as Eu- country's electoral rope and the United States, ordering copies of famous paintings by the container.

According to experts, at present, China Paint- term for Mr Kagame and his ing and Calligraphy Works of Art return on invest- party, the Rwandan Patriotic ment, keeping above 20%. Moreover, compared with he stock market, investment art market, the risk is much on Monday after early results lower. Prevent the infiltration of a large number of fake However, more and more popular with the art market, copying who rushed from counterfeiters.

Harishankar Brahma appointed as Election Commissioner

A 1975 IAS officer of Andhra Pradesh cadre, • ceasefire by Eta, saying the Brahma (60), who hails from Assam, is a former renounce violence forever. Union Power Secretary. "The President is pleased to appoint Shri Harishankar Brahma as the Election • group was weaker than ever Commissioner in the Election Commission of India with effect from the date he assumes the Office," said a notification issued by the Law Ministry.

Brahma was appointed Election Commissioner Basque state has led to more following the elevation of S Y Quraishi as the Commission's head. It is understood that Prime Min- ceasefires in the past but ister Manmohan Singh was keen to appoint an of ficer from the North East to the key post.

Brahma is the second person from the North East after J M Lyngdoh, who retired as Chief Election Com • missioner in 2004, to become Election Commissioner. V S Sampath is the other Election Commissioner.

Google to acquire Indian co-founded Like.com

Bangalore: Search giant Google is on the verge violent campaign. of acquiring Like.com, a visual search and e-commerce company that allows users to search for products using images, reports Michael Arrington from the TechCrunch.

According to the deal is estimated for \$100 million. The technology being eyed up by Google is vi- • behind them. sual search. In 2005 Google made an attempt to acquire Like.com's predecessor, Riya.com.Like.com uses core technology that was developed by Riya, which was focused on facial recognition.

Like.com was co-founded by Munjal Shah together with Burak Gokturk in August 2004. Like.com has been named as one of the best startup companies by many. The image-matching technology company • was formerly known as Riya. Since the company has • • some very important patents, Google is expected to • gain both economically and legally by acquiring it. \P

The U.S. based Like.com has shown interest in developing visual search technology. Google provides a similar feature on its own search engine and in December launched a visual search application • for mobile phones.

In April, Google has acquired U.K. based startup Plink, which develops mobile visual search applications, for an undisclosed sum.

:dent Kagame wins election with 93% of

Kagame won Monday's presidential election with 93% of the vote, the commission has announced. The full provisional result secures a second seven-year Supporters began celebrating had shown the president winning 92.9% of the ballot. Turnout for the election, the second since the 1994

:Spain & Eta

genocide, was 97.5%.

 The Spanish government has dismissed as "insufficient" a Basque separatist group must Interior Minister Alfredo Eta said it would no longer • carry out "armed actions". Its campaign for a separate • than 820 deaths over the past abandoned them both. It is unclear whether the latest is temporary move declaring a truce and starting a dialogue had passed. "I reflects quite well the democratic parties," he told Spain's state-run TVE Mr Rubalcaba demanded "a definitive and unconditional • This is a hardline response peace talks. In a video handed to the BBC and broadcast on Sunday, three hooded Eta fighters are shown sitting behind a desk with the Eta flag pinned up

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