

## SP feud: Ramgopal defends Akhilesh, lashes out at Shivpal

**ETAWAH (UP), APRIL 30 / -** Defending party president Akhilesh Yadav, Samajwadi Party patron Ramgopal Yadav today said that Shivpal Yadav did not have any knowledge of the party constitution and advised him to work for the party and not "talk nonsense".

He (Shivpal) has not read party constitution. Akhilesh cannot give party presidency to anyone. SP general body had unanimously elected him to the post, which he cannot give to anyone. Shivpal should not talk nonsense," Ramgopal said while talking to reporters here. He was asked by the media on

Shivpal's repeated demand from Akhilesh to hand over the party president's post to his father party patron Mulayam Singh Yadav. "Party's membership drive is on and will continue till September 30. If Shivpal wants to become party president, he should participate in membership drive and ask his men to contest party polls. He (Shivpal) has nothing...he has only misled Netaji (Mulayam)," Ramgopal said.

Last week, Akhilesh had lost his cool when asked the same question by mediapersons. "In media, Ramgopal is not a party and Election Commission (order), then you ask

the question. Have you all got only questions relating to my home (matters)? I don't like the same question to be asked everywhere. In whose family there is no dispute?" he said, while accepting that it was one of the reasons for SP's defeat in the assembly polls. When a television reporter wearing a saffron shirt had asked about Shivpal's statement, an infuriated Akhilesh had said, "He (the reporter) is new here. His colour is also saffron...I want to tell him and other journalists to fix any day in May, and I will answer all questions. But after that you should not ask any question about my family." (PTT)

**Journo accused of abetting suicide of jawan gets bail**

**MUMBAI, APRIL 30 / -** The Bombay High Court has granted anticipatory bail to a woman journalist booked for abetting the suicide of an army jawan and also under the Official Secrets Act after observing that prima facie no offence is made out against the accused. Justice Ravati Mohite Dere on April 26 granted anticipatory bail to Poonam Agarwal, a senior journalist with The Quint and retired soldier and war veteran Deepchand Singh. Last month, the Deolali Camp police in Nashik registered a case against Poonam and Deepchand under various sections of the Indian Penal Code including abetment of suicide of the jawan from Kerala Roy Mathew. The scribe was also booked under sections 3 (spying) and 7 (interfering with officers of the police or members of the armed forces of the Official Secrets Act. According to police, she was booked for violating Army rules by entering prohibited areas and conducting a shoot here. Agrawal is accused of entering Helix Lines in Deolali camp without the permission of authorities and filming the premises besides carrying out a sting operation on Mathew and other jawans on February 24 in which she is said

to have asked leading questions. The case was registered after Mathew (33) was found hanging from the ceiling of a room in an abandoned barrack in Deolali cantonment here on March 2. According to police, Mathew featured in the sting operation carried out by Poonam and Deepchand exposing the 'buddy' (Sahayak) system in the Army and had committed suicide over fear and shame.

Poonam and Deepchand approached the high court after a sessions court rejected their anticipatory bail pleas. Senior counsel Amit Desai, appearing for Poonam, argued that the sting operation was carried out in public interest and to expose the malaise in the Indian Army. The High Court after hearing the arguments said, "After viewing the said clip, it appears that the purpose of the sting operation was to show that the 'Sahayaks' were made to do menial work like taking their seniors' dogs for walks, taking their seniors' children to schools and so on." Prima facie at this stage, taking the prosecution case as it stands it is doubtful whether any offence under IPC or Official Secrets Act is attracted in the peculiar facts of the case," Justice Dere said.

## Plight of migrants to find voice on All India Radio

**NEW DELHI, APRIL 30 / -** UNESCO will air series of radio programmes to evoke sympathy amongst urban migrants in the cities, starting tomorrow on the International Labour Day. "Khanabadoshon Ki Duniya" (A World of Migrants) is a series of 10 radio programmes - 3-4 minutes each - produced by UNESCO featuring several real-life situations involving migrants and the challenges they face in accessing their rights and entitlements. The first radio programme will be aired tomorrow on three channels of All India Radio - FM Gold, FM Rainbow and MW Indraprastha. The complete series will be broadcast over a period of a week, on

weekdays, twice a day, from May 1 till May 26. The radio programmes will highlight unique characteristics of migrants in the cities, like their work as agents of development, upholders of cultural diversity, contributors to skill diversity, symbols of new aspirations and migrant working woman. "The approach adopted is to evoke

empathy amongst urban dwellers by focusing on similarities between migrants from rural areas and residents from urban areas," UNESCO said in a release. The series will focus on sharing the experience and contributions of migrants to the cities they migrate to and thereby disrupt the homogeneous image, it added. "We

wish to draw attention to the brave choices migrants make and encourage city dwellers to ensure that migrants feel part of a city which is welcoming, inclusive and recognises migrants' entitlement to a dignified life," said Marina Faetamina, the section chief and programme specialist, social and human sciences, UNESCO (New Delhi). (PTT)

## Play explores Indo-Pak relations through a tale of friendship

**NEW DELHI, APRIL 30 / -** As an ingrained rivalry between two diplomats from India and Pakistan turns into an informal companionship, a new play 'A Walk in the Woods' explores the futility of efforts to improve relations between the neighbouring nations. The play opens with an irritable Indian diplomat Ram Chinappa, played by Rajit Kapur, seriously coaxing his Pakistani counterpart, Jamaluddin Lutfullah, played by Naseeruddin Shah, to discuss a negotiation proposal between their respective countries. While Chinappa increasingly grows impatient, Lutfullah's casual demeanour, the latter goes on to discuss his favourite suit makers and the scenic beauty of the surroundings. He insists on becoming friends with Chinappa, rather than being a mere negotiator, and each of Chinappa's sentences is subsequently met with a quick repartee by Lutfullah. As the play unfolds, the conversation takes a serious turn, transforming into commentary on the fate of the cross-border relations, which, both agree, depend not on the country's wishes but on those of the rear and interlocutors. "Year after year we are sent here to meet each other, to discuss our problems, and play blame games. But we end up trading proposals, hurling accusations, and measuring our arms and ammunition like lookalikes. What we need is better education, healthcare, employment and birth control.

All these meetings are ridiculous. All our proposals invariably amount to nothing. We keep failing," says an exasperated Lutfullah. While Chinappa fails to entertain Lutfullah in the first half, the second half shows the two men getting more informal with each other and the Pakistani diplomat getting more cynical. As the last attempt by the two to reach an amicable status is rejected by the leaders of their countries, Lutfullah's decision to retire from his service is met with disbelief from Chinappa, who had grown a liking for the diplomat from across the border. (PTT)

**Play explores Indo-Pak relations through a tale of friendship**

**NEW DELHI, APRIL 30 / -** As an ingrained rivalry between two diplomats from India and Pakistan turns into an informal companionship, a new play 'A Walk in the Woods' explores the futility of efforts to improve relations between the neighbouring nations. The play opens with an irritable Indian diplomat Ram Chinappa, played by Rajit Kapur, seriously coaxing his Pakistani counterpart, Jamaluddin Lutfullah, played by Naseeruddin Shah, to discuss a negotiation proposal between their respective countries. While Chinappa increasingly grows impatient, Lutfullah's casual demeanour, the latter goes on to discuss his favourite suit makers and the scenic beauty of the surroundings. He insists on becoming friends with Chinappa, rather than being a mere negotiator, and each of Chinappa's sentences is subsequently met with a quick repartee by Lutfullah. As the play unfolds, the conversation takes a serious turn, transforming into commentary on the fate of the cross-border relations, which, both agree, depend not on the country's wishes but on those of the rear and interlocutors. "Year after year we are sent here to meet each other, to discuss our problems, and play blame games. But we end up trading proposals, hurling accusations, and measuring our arms and ammunition like lookalikes. What we need is better education, healthcare, employment and birth control.

All these meetings are ridiculous. All our proposals invariably amount to nothing. We keep failing," says an exasperated Lutfullah. While Chinappa fails to entertain Lutfullah in the first half, the second half shows the two men getting more informal with each other and the Pakistani diplomat getting more cynical. As the last attempt by the two to reach an amicable status is rejected by the leaders of their countries, Lutfullah's decision to retire from his service is met with disbelief from Chinappa, who had grown a liking for the diplomat from across the border. (PTT)

**Play explores Indo-Pak relations through a tale of friendship**

**NEW DELHI, APRIL 30 / -** As an ingrained rivalry between two diplomats from India and Pakistan turns into an informal companionship, a new play 'A Walk in the Woods' explores the futility of efforts to improve relations between the neighbouring nations. The play opens with an irritable Indian diplomat Ram Chinappa, played by Rajit Kapur, seriously coaxing his Pakistani counterpart, Jamaluddin Lutfullah, played by Naseeruddin Shah, to discuss a negotiation proposal between their respective countries. While Chinappa increasingly grows impatient, Lutfullah's casual demeanour, the latter goes on to discuss his favourite suit makers and the scenic beauty of the surroundings. He insists on becoming friends with Chinappa, rather than being a mere negotiator, and each of Chinappa's sentences is subsequently met with a quick repartee by Lutfullah. As the play unfolds, the conversation takes a serious turn, transforming into commentary on the fate of the cross-border relations, which, both agree, depend not on the country's wishes but on those of the rear and interlocutors. "Year after year we are sent here to meet each other, to discuss our problems, and play blame games. But we end up trading proposals, hurling accusations, and measuring our arms and ammunition like lookalikes. What we need is better education, healthcare, employment and birth control.

All these meetings are ridiculous. All our proposals invariably amount to nothing. We keep failing," says an exasperated Lutfullah. While Chinappa fails to entertain Lutfullah in the first half, the second half shows the two men getting more informal with each other and the Pakistani diplomat getting more cynical. As the last attempt by the two to reach an amicable status is rejected by the leaders of their countries, Lutfullah's decision to retire from his service is met with disbelief from Chinappa, who had grown a liking for the diplomat from across the border. (PTT)

**Play explores Indo-Pak relations through a tale of friendship**

**NEW DELHI, APRIL 30 / -** As an ingrained rivalry between two diplomats from India and Pakistan turns into an informal companionship, a new play 'A Walk in the Woods' explores the futility of efforts to improve relations between the neighbouring nations. The play opens with an irritable Indian diplomat Ram Chinappa, played by Rajit Kapur, seriously coaxing his Pakistani counterpart, Jamaluddin Lutfullah, played by Naseeruddin Shah, to discuss a negotiation proposal between their respective countries. While Chinappa increasingly grows impatient, Lutfullah's casual demeanour, the latter goes on to discuss his favourite suit makers and the scenic beauty of the surroundings. He insists on becoming friends with Chinappa, rather than being a mere negotiator, and each of Chinappa's sentences is subsequently met with a quick repartee by Lutfullah. As the play unfolds, the conversation takes a serious turn, transforming into commentary on the fate of the cross-border relations, which, both agree, depend not on the country's wishes but on those of the rear and interlocutors. "Year after year we are sent here to meet each other, to discuss our problems, and play blame games. But we end up trading proposals, hurling accusations, and measuring our arms and ammunition like lookalikes. What we need is better education, healthcare, employment and birth control.

All these meetings are ridiculous. All our proposals invariably amount to nothing. We keep failing," says an exasperated Lutfullah. While Chinappa fails to entertain Lutfullah in the first half, the second half shows the two men getting more informal with each other and the Pakistani diplomat getting more cynical. As the last attempt by the two to reach an amicable status is rejected by the leaders of their countries, Lutfullah's decision to retire from his service is met with disbelief from Chinappa, who had grown a liking for the diplomat from across the border. (PTT)

Union Railway Minister Suresh Prabhu (C), Vetern Santoor Maestro Shrikumar Sharma with Hansa Yogendra Director of Yoga Institute Inaugurating the centenary Logo of Yoga Institute, in Mumbai.

## Lakhs of vehicles in Delhi flouting vehicular emission norms: EPCA

**NEW DELHI, APRIL 30 / -** Delhi, a global air-pollution hotspot, has lakhs of vehicles polluting without the mandatory pollution under control certificates while the city's emission testing centres are enormously understaffed, an EPCA audit has found. The blatant violations, that potentially imperil the health of millions, have put the spotlight on around 970 centres in the city, that are certified to check the emission content of around 70 lakh vehicles in an SC-appointed body. As per Central Motor Vehicles Rules, 1989, every BS-III emission-compliant motor vehicle needs to go for a pollution test every three months while BS-IV vehicles have to take the test annually. According to estimates

of EPCA, every quarter there should be around 59 lakh PUC tests in Delhi, but the period of November 2016 to January 2017 (3 months) shows tests of only 3.7 lakh vehicles, which works out to a compliance rate of 23.2 per cent. "A large number of vehicles in Delhi remain outside the PUC testing network," the report states, adding that even among the vehicles turning up for tests, the failure rate is extremely low and that the existing norms cannot even identify at least 15 to 20 per cent grossly polluting vehicles in the on-road fleet. "Nearly all vehicles pass the tests. Due to poor recording of failed tests and due to very lax norms the overall failure rate in Delhi is 4.69 per cent. For the diesel vehicles tested, the failure rate stands at 1.89 per cent, compared to 5.18 per cent for petrol vehicles," it says. A serious flaw is the

fact that failed tests are not recorded as vehicle owners refuse to pay the test fee if their vehicles fail. As a result, the pass-fail data compiled by the transport departments show very poor failure rate. "It is therefore, important to mandate advance payment of fees before the test is conducted and the software should be changed accordingly to plug this loophole," the audit says. According to the report, the current PUC norms are so weak, especially for the pre-BS-IV vehicles that dominate the on-road fleet, that not only do most vehicles pass the test, but a great part of them actually pass with as high as an 80 per cent margin from the norm. As per the law, a vehicle found not carrying a valid PUC Certificate is liable to be prosecuted under Section 190(2) of the Motor Vehicles Act. "The overall assessment has revealed that

there are serious quality concerns in the way PUC tests are conducted and equipment are maintained in numerous PUC Centres across the NCR region. In Delhi alone there are 971 centres but the transport department has only 28 inspectors and among them only one inspector is available for actual on ground inspection in so many stations," the report observes. A similar analysis has not been possible for Haryana and Uttar Pradesh, many towns of which fall in the National Capital Region, as the data is purely manual and complete data for all centres was not available. It has recommended making annual vehicle insurance policy mandatory and conditional with PUC certification, pending which this programme can "barely make any difference" to the air quality. (PTT)

## STUDENTS' CORNER

### Derivation of Newton's Equation

**Kinematic Equations for uniformly accelerated motion along straight line**

(i) Velocity time equation -  $v = u + at$

(ii) Displacement time equation -  $S = ut + \frac{1}{2}at^2$

(iii) Velocity displacement equation -  $v^2 = u^2 + 2aS$

(iv) Displacement in nth second -  $S_n = u + \frac{a}{2}(2n-1)$

Consider a body of mass  $m$  having initial velocity  $u$  and after time  $t$  its final velocity becomes  $v$  due to uniform acceleration.

(i) We know that

$$\text{Acceleration} = \frac{\text{Change in velocity}}{\text{time taken}}$$

$$a = \frac{v - u}{t - 0}$$

$$at = v - u$$

$$v = u + at$$

(ii) Let the distance travelled by a body be "S"  
Distance = Average velocity  $\times$  time

$$S = \frac{u + v}{2} \times t$$

Substituting  $v = u + at$  from equation (i)

$$2S = (u + u + at)t$$

$$2S = 2ut + at^2$$

$$S = ut + \frac{1}{2}at^2$$

(iii) We know  $v = u + at$   
 $v - u = at$   
 $t = \frac{v - u}{a}$

Again  $S = \left(\frac{u+v}{2}\right)t$

$$S = \left(\frac{u+v}{2}\right)\left(\frac{v-u}{a}\right)$$

$$2aS = v^2 - u^2$$

$$v^2 = u^2 + 2aS$$

(iv) Let  $S_n$  be the displacement of the body in  $n$  second  
Let  $S_{n-1}$  be the displacement in  $(n-1)$  second we know that

$$S = ut + \frac{1}{2}at^2$$

$$S_n = un + \frac{1}{2}an^2$$

$$S_{n-1} = u(n-1) + \frac{1}{2}a(n-1)^2$$

Displacement during  $n$ th second

$$S_n - S_{n-1}$$

$$S_n = \left[un + \frac{1}{2}an^2\right] - \left[u(n-1) + \frac{1}{2}a(n-1)^2\right]$$

$$S_n = u[n - (n-1)] + \frac{a}{2}[n^2 - (n-1)^2]$$

$$S_n = u + \frac{a}{2}(2n-1)$$

## PHYSICS

## UP govt mulling loan waiver for 'Divyans' girls

**BALLIA (UP), APRIL 30 / -** After waiving loans of farmers, the Uttar Pradesh government is contemplating forgoing loans upto Rs 1 lakh of the differently-abled or 'Divyans'. "Like farmers' loan waiver scheme, the government is going to waive loans upto Rs 1 lakh of 'Divyans'. We will also provide them loans upto Rs 1 lakh at an interest rate of 4 per cent only," Backward welfare and Handicap welfare minister, Ram Prakash Rajbhar, said here today. For resolving problems of the 'Divyans', the government will also hold "Samadhan Diwas" on the second Wednesday of every month. The minister said the government is also mulling creating new categories of "most backwards" and "most Dalits". "As per plan which is being worked out, most backwards will be given reservation from the existing provisions for backward category. Similarly, most Dalits will also be given reservation from the existing SC category. For this work is in process," he said. He said the new categories have been planned to provide more facilities to needy persons. (PTT)

## Rail scam: HC upholds trial court order allowing CBI plea

**NEW DELHI, APRIL 30 / -** The Delhi High Court has upheld a trial court order allowing the CBI to place on record two CDs containing purported telephonic conversations intercepted during its probe in the cash-for-post bribery case in the railways.

The case allegedly involves former Railway Minister Pawan Kumar Bansal's nephew Vijay Singla and others. Besides Singla, the other accused facing trial in the Rs 10 crore cash-for-post railway bribery case are Mahesh Kumar, then Member (Staff) of Railway Board, Managing Director of Bangalore-based G G Tronics India N R Manjunath, alleged middlemen Ajay Garg and Sandeep Goyal, besides co-accused Rahul Yadav, Sameer Sandhir, Sushil Daga, C V Venugopal and M V Murali

Krishan. Justice S P Garg dismissed the petition moved by one of the 10 accused, Sameer Sandhir, who had challenged the trial court's special judge February 2016 order, by which it had allowed the CBI's plea to place on record the CDs. "Prima facie, there is sufficient material on record to infer that both these CDs are relevant and can be produced as evidence during trial as per law.

"I find no illegality or material irregularity in the order (of a trial court). The petition lacks in merits and is dismissed," the court said. It also noted in its order that the prosecution is not expected to prove their authenticity and genuineness beyond reasonable doubt at this stage, merely because the CDs were filed at a later stage, that is after the filing of the charge-sheet and the

supplementary charge-sheet. The CBI had moved the application before a trial court to place on record the CDs containing the purported telephonic conversation in pursuance to May 2015 order by the high court. The high court had directed the trial court to permit the agency to file appropriate application to bring on record the sealed CDs and decide whether these can be brought on record under the recording of evidence and under which provision of law. During the arguments on the CBI's plea, all the 10 accused facing trial, opposed it contending there was no provision in the CrPc permitting the agency to bring on record the CDs which it did not deposit while filing charge sheets. The CBI, however, had said they had no intention to con-

ceal the CDs and it was an inadvertent mistake that these were not placed in the court earlier. The trial court had framed charges against the accused for alleged offences of criminal conspiracy under the IPC and under the provisions of the Prevention of Corruption Act. While ordering framing of charges, the court had observed that the accused had prima facie entered into a conspiracy to get Kumar appointed as Member (Electrical) in Railway Board and Singla was to be paid Rs 10 crore as illegal gratification for it. According to the CBI, Singla had allegedly demanded Rs 10 crore from Kumar for his appointment to the post of Member (Electrical) and it was decided between the accused that Rs 5 crore will be paid before the appointment and the rest after the job was done. (PTT)

## Lata Mangeshkar remembers Dada Saheb Phalke on his 148th birth anniversary

**MUMBAI, APRIL 30 / -** Melody queen Lata Mangeshkar has paid a tribute to the Father of Indian cinema, Dada Saheb Phalke on his 148th birth anniversary. The 87-year-old veteran singer took to Twitter where she remembered Phalke "Namaskar who can forget Dada Saheb Phalke ji, the Father of Indian cinema. Today is his birth anniversary. I offer my respectful greetings to him," Mangeshkar posted on Twitter. Dhundiraj Gogwad Phalke, popularly known as Dadasaheb Phalke, was an Indian producer, director and screenwriter and has one of the country's most prestigious awards named

after him. He gave India its first full-length feature film "Raja Harishchandra" in 1913 and went on to make 95 movies and 26 short films in his career spanning 19 years. Phalke passed away on February 16, 1944 at the age of 73. (PTT)

## Murder accused MLA Amanmani shares stage with Adityanath

**GORAKHPUR, APRIL 30 / -** Murder accused MLA Amanmani Tripathi shared the stage with Uttar Pradesh Chief Minister Yogi Adityanath and even sought blessings by touching his feet at an event here yesterday.

Tripathi (35), an independent NCR from Nautanwa assembly constituency in neighbouring Maharajganj district, was sitting a few seats away from Yogi Adityanath. He later got up, greeted the chief minister and touched his feet. Tripathi is facing charges of murdering his wife Sara. He also handed over five papers to Adityanath during his brief interaction. Senior BJP MLA from Campyarganj Fateh Bahadur Singh, who was overseeing preparations of the programme, said that he came to know later that Tripathi had touched the feet of the UP chief minister.

Even BJP workers were surprised to see the murder accused MLA sharing the stage with Adityanath, who has repeatedly said that law and order is his top priority. BJP's Gorakhpur unit spokesperson Satyendra Sinha however said that, "Any public representative can greet the chief minister and touch his feet.

There is nothing wrong in it." Amanmani's father Amanmani Tripathi has been elected MLA from Nautanwa four times and was a minister in the SP government headed by Mulayam Singh Yadav. Amanmani Tripathi is currently serving a life sentence in the Madhumitha Shukla murder case. (PTT)

**Murder accused MLA Amanmani shares stage with Adityanath**

**GORAKHPUR, APRIL 30 / -** Murder accused MLA Amanmani Tripathi shared the stage with Uttar Pradesh Chief Minister Yogi Adityanath and even sought blessings by touching his feet at an event here yesterday.

Tripathi (35), an independent NCR from Nautanwa assembly constituency in neighbouring Maharajganj district, was sitting a few seats away from Yogi Adityanath. He later got up, greeted the chief minister and touched his feet. Tripathi is facing charges of murdering his wife Sara. He also handed over five papers to Adityanath during his brief interaction. Senior BJP MLA from Campyarganj Fateh Bahadur Singh, who was overseeing preparations of the programme, said that he came to know later that Tripathi had touched the feet of the UP chief minister.

Even BJP workers were surprised to see the murder accused MLA sharing the stage with Adityanath, who has repeatedly said that law and order is his top priority. BJP's Gorakhpur unit spokesperson Satyendra Sinha however said that, "Any public representative can greet the chief minister and touch his feet.

There is nothing wrong in it." Amanmani's father Amanmani Tripathi has been elected MLA from Nautanwa four times and was a minister in the SP government headed by Mulayam Singh Yadav. Amanmani Tripathi is currently serving a life sentence in the Madhumitha Shukla murder case. (PTT)