## Why is China probing the far side of the moon?

What is the latest in its ambitious space odyssey? How did Chinas other moon missions fare?

## Vasudevan Mukunth

Ithe pre-dawn hours (IST) of June 4, nall spacecraft bearing lunar samples too orbit that would bring it in contact with an orbiter waiting for it. There, the spacecraft handed over' the samples to a capsule on the the earth in a two-week joungey Scientists will thus finally have access to pieces of moon soil and rocks from its far side. This is China's

What are the Chang'e missions? China's moon missions are called Chang'e, named for the goddess of the moon in Cle
mythology. The Chinese National Space Administration (CNSA) launched the Chine Lunar Exploration Programme (CLEP) in 2003, Chang'e 1 created a map of the moon's sufface. With Chang'e 2, CLEP launched phase I of its moon missions, and equipped the orbiter with better camera. Its images were used to prepare
the Chang'e 3 mission's lander and rover for the Change 3 mission's lander and rover for their descent on the moon, which they successfully achieved on Decemb
starting CLEP's phase II missions.
In 2019, Chang'e 4 carried the the rover to descend on the moon's far side and Change 6 is attempting $\begin{aligned} & \text { explore this more } \\ & \text { mysterious region }\end{aligned}$ to replicate its predecessor's feat but with the Change 5 from the moon's far mission. In late side. This time, the lozder on the scientific goal is to moon's near understand why the far It included a side is so differen
from the near sid an ascender, which, after collecting and stowing some lunar orbiter collected the samples, transferred them or a returner, which brought them to the earth. Change 6 is attempting to replicate its predecessor's feat but from the moon's far side. The scientific goal here is to understand why the

## What is the far side?

The moon is tidally locked to the earth: the lunar hemisphere facing the earth will always face the earth, and the hemisphere facing away
(far side) will always face away. The far side has rockier terrain and fewer smooth plains. Thus, it's harder to land a spacecraft on the
far side - more so since it's impossible to far side - more so since it's impossible to
communicate directly from the earth with a spacecraft here: there's no line of sight A spacecraft here: there's no line of sight. A
workaround is to have a second spacecraft space that relays signals between ground stations on the earth and the surface spacecraft. This makes the mission more complex The far side is expected to be a good place to install large telescopes, which would have a view and scientists at the Raman Research Institute, Bengaluru, are currently working on such a device, called PRATUSH.

What is the status of Chang'e 6 .
CNSA launched the 8.3-tonne Change 6 orbiter-lander assembly on May 3 and it entere a lunar orbit on May 8. On May 30, the lander over a large crater called Apollo on June 1 CLEP scientists coordinated this part of the mission with help from the Queqiao 2 relay satellite, which the CNSA launched in February this year into an elliptical orbit around the moon. Once within Apollo, a drill plunged into the soil, and with help from a scoop extracted ascender. On June 4 the ascender took off for moon orbit. There, it rendezvoused with the orbiter and transferred the samples to a capsule in the returner on June 6.
The returner is expected to bring them to the earth on June 25

What might the samples reveal? Since Chang'e 6 is a Chinese mission, the 'what'
depends on the samples as much as 'by whom' and 'when'.
CNSA hasn't been sharing periodic and detailed updates, as has been expected from other moon missions.
Once CNSA retrieves the sample-bearing
capsule, Chinese scientists will have first crat it before sharing access with foreign research groups based on their proposals. It's unknown whether any Indian research groups have applied for access.
Scientifically, the far-side samples are expected to inform insights about why the moon
is the way it is and the formation of planets. For is the way it is and the formation of pla
example, scientists believe the terrain asymmetry between the two lunar hemispheres is because of heat released by the earth when the moon was forming and thermochemical characteristics near the moon's surface. (The details in this article are as of 4 pm on June 8, 2024.)

## Why did several exit polls go off the mark?

What methodology should be followed for accuracy? How do we know that a survey has done its homework? What are the red flags? When are exit polls conducted? Do respondents open up on their choice? In a close election, is it more difficult to get seats and voter shares right?

story so far: everal exit polls predicted the return of Democratic Alliance (NDA) to power with a tally of more than 300 seats for the BJP alone. One pollster, Today's Chanakya, predicted 400 seats (plus or minus 15) for the NDA, and another, Axis MyIndia, said the NDA would win an average of 381 seats. All these polls
were way off the mark, as results showed.

What were the vote share projections? The CSDS-Lokniti post-poll predicted that the NDA would receive a vote share of $46 \%$ while that of the INDIA bloc (excluding the Left, Trinamool Congress in West Bengal and AAP in
Punjab) would be $35 \%$. The error margin was Punjab) would be $35 \%$. The error margin was
$3.08 \%$ points. The results show that the NDA had bagged 292 seats ( $43.63 \%$ vote share) and the NDIA bloc 205 seats (excluding the Trinamo Congress which won 29 seats) with a vote share of $37 \%$. CSDS-Lokniti did not project seats for the alliances but predicted that the NDA would
return with a majority. Its vote share figures return with a majority. Its vote share figures
were within the error margins but were 2.5 were within the error margins but were 2.5
points higher for the NDA. Axis My India projected $47 \%$ for the NDA and $39 \%$ for th INDIA bloc and the results showed that the projections overestimated the NDA vote share beyond error margins. C-Voter projected a seat tally of 353 to 383 seats for the NDA, with a vote share of $45.3 \%$ and $38.9 \%$ for the BJP alone,
which was 2.3 points higher than the actual vote whare for the party $-36.56 \%$. Its figures for the NDIA bloc were also roughly 2.4 points lower than the actual mark. While the vote shares were within error margins nationally, its seat tallies were way off across several States

What are exit polls?
Opinion polls are sample surveys where a cross


## Whether a

polling agency has
done a good
survey is
clear from
what it
reveals in its
methodology
ection of the electorate is randomly chosen and interviewed about their choice of party andidates. These polls could either be case with telephonic surveys. Exit polls ask voters about their choice right after they have exercised their mandate, sometimes outside the polling booth. Some pollsters prefer to do post-poll surveys" which are conducted at the esidence of the voters after voting. CSDS-Lokniti's poll is a "post-poll survey". Other
surveys such as Axis MyIndi's were "exit polls"

Did methodology matter in the way exit polls got the numbers wrong?
For exit polls to be accurate, certain factors have o be kept in mind like the sample size of the survey, the selection process of the sample, the he weighting of the sample according to, estimates of the population
The size of the sample has to be representative and the largeness of the sample is mmaterial as long as it is significant enough to tatistically predict the winner. If the sample is andomly chosen and the size of the sample is nough to accurately predict the possibiliy of the vote - which is generally the case with dian elections - then even a representative sample of around 20,000 -odd respondents is enough to predict winners in a country of a oting population of close to 100 crore. One can conduct larger surveys with more than 20,000 but the key is to get good representation. CSDS okniti's total sample size was 19,663 across 23 tates and 193 parliamentary constituencies while that of Axis MyIndia's was $5,82,574$ across all the 543 constituencies. But the former got its ote share predictions within the error margins while the latter didn't.
For good representation, the samples have to be chosen randomly (so as to avoid bias) and avoid missing out on any section of the population). The most ideal way of choosing a
random, but stratified sample, is to use electoral random, but stratified sample, is to use electoral rolls for identifying respondents. Once sampling is done and the list of respondents are dentified, they need to be weighted on the basis population - the percentage of women minorities, majority population, and urban vs rural voters. After a representative sample has been prepared, interviews are conducted. eally, a face-to-face interview works bette

Do respondents reveal their choice? There is a high probability that many
sections, either do not reveal their voting
preferences or require a measure of trust preferences or require a measure of trust with
the surveyor before opening up on their choices. There is a possibility that the pollsters who got his election wrong either under-sampled marginalised voters or their surveyors were not rusted by the respondents to reveal the right

What happens after the surveys?
nce the survey is done, the results should be matched with the estimated demographic information. If there are 12 respondents among Dalits whose choices are recorded in a population of 100 and the actual proportion of Dalits in that population is 15 , then the weighting can be uniformly done for the 15 based on population of 100 are interviewed, extrapolating he views of the 39 to that of 48 women (the possible actual estimate of the women population) would be problematic as women do not vote as a single category. This could be one eason why the Axis MyIndia poll got its estimates wrong. The men-women
Most of the pollsters, who had tied up with TV channels, used their surveys to predict seat shares - CSDS Lokniti didn't. Vote share to seat hare conversions can be done in different ways The most commonly used method is by assessing the swing in vote share for a particular party from previous elections, either in a State or to be more accurate, in a particular region
and to be more precise, if the sampling allows the pollster to do so, in a particular constituency. The swing for or against a party as gainst the same for its opponent(s) can provide the basis for whether an incumbent will be returned from a particular constituency or whether a party can retain a certain number of
seats in a region of a State or a State as a whole. As veteran psephologist and media personality Prannoy Roy points out in his book The Verdict, written with Dorab R. Sopariwala, some pollsters look at swings from previous
polls and the "index of opposition unity" to polls and the "index of opposition unity" to determine the margin of victory for a particula andidate and predict seat share from vote major television channels got their vote to se shares right. Since none of them have reveale what they consider their "secret sauce" - the onversion process - it is difficult to ascertain why they got it wrong.
Is a close election difficult to predict? It is evident that pollsters in India mostly get the inner of an election and the seat shares close elections are this close, pollsters rarely tend to be accurate on vote and seat shares. Whether polling agency has done a good survey is clear om what it reveals in its methodology epresentation of the sample, and inbuilt erro hould not be considered serious enough.

## What is the National Health Claim Exchange?

Will the platform help patients access healthcare easily? Will it bring about transparency in the healthcare claims ecosystem? What are the hurdles to the Insurance Regulatory and Development Authority of Indias objective of achieving Insurance for All by 2047??

## Bindu Shajan Perappadan

THealth Mistry along wh the Insurance Regulatory and Development Authority of India
(IRDAI) are working on measure RDAI) are working on measure aimed at allowing patients to access out-of-pocket expenditure. The Ministry and IRDAI are launching the National Health Claim Exchange (NHCX), a digital platform which will bring together insurance companies, healthcare sector service providers and government
insurance scheme administrators.

How is the NHCX expected to work? exchanging claims-related information among various stakeholders in the healthcare and health insurance ecosystem. The integration with NHCX is expected to enable seamless
interoperability of health claims processing, interoperability of health claims processing, insurance industry, benefiting policyholders and patients, said the Health Ministry.
'The primary challen health lies in improving impro the retween hospitals and
ans insurance
companies insurance
companies'


Asked if the system will help to accommodate he dynamic and diverse healthcare system of India, S. Prakash, MD \& CEO designate, Galaxy
Health and Allied Insurance Company Limited, Health and Allied Insurance Company Limited,
said the healthcare landscape has been evolving said the healthcare landscape has been evolviin
to align with IRDA's objective of achieving o align with IRDAI's objective of achieving
Insurance for All by 2047 '" "The insurance industry is poised to support the mplementation of this system by facilitating streamlined interactions between hospitals and insurers, establishing a seamless, paperless, and secure contractual framework. Acting as a entralised hub for all health claims, the NHCX will significantly alleviate the administrative with multiple portals for various insurers," he explained. Twelve insurance companies and one TPA (Third Party Administrator) have completed he NHCX integration.

## What about cashless claims?

timeline has been fixed for insurance claims of cashless claims. The insurance authority has within three hours of the receipt of discharge authorisation from the hospital. The insurance egulator has set the insurance provider a eadline of July 31 to put systems and processes place to ensure the smooth facilitation of this latest directive.

What are some other incentives on offe o encourage adoption of digital health records in the country, the National Health Authority had announced financial incentives under the Digital Health Incentive Scheme here is a provision that for every insuranc claim transaction through NHCX, financial incentives of ₹500 per claim or $10 \%$ of the claim amount, whichever is lower, would be given to hospitals, according to a Health Ministry note.
Why is NHCX being brought in?
ndia: Insights for National Health Protection Scheme', noted that health insurance is an mportant policy strategy to provide health car services as well as reduce high out-of-pocket expenditure which burden individuals. It points
out that for all India, the hospitalisation cases re highest when insured from private purchas 54.4 per $1,00,000$ persons). In urban areas, ases for inpatient care are observed to be highest for those covered by government-funded schemes ( 60.4 cases per $1,00,000$ persons). On the contrary, in rural areas, in-patient cases are insurance ( 73.5 case per 100000 persons) lso, overall in-patient cases are higher for urban areas compared to rural areas Arguing for the NHCX, the Health Ministry states that the platform will help in standardisation and interoperability of health laims and will bring in seamless exchange of data, documents and images between payer dministrator) and provider (hospital/lab/poly clinic). Industry experts also note that the platform, through uniform data presentation and centralised validation of claims data, could bring in a more standardised approach healthcare pricing

What are the challenges? Health insurance contributes to approximately $29 \%$ of the total general insurance premium come in India. The primary hurdle in health insurance today lies in improving the elationship between hospitals and insurance mpanies, said Dr. Prakash, adding that puolvement from both parties, necessitatin upgrades to current IT systems and enhanced orkforce training. "Issues such as discharge delays and miscommunication between ospitals and insurers further complicate matters. Building trust among policyholder hinges on delivering efficient services. The HCX portal aims to streamline the Clains platform, reducing claim times and

## Return of the kingmaker

## N. Chandrababu Naidu

The 'CEO of Andhra Pradesh' is back in power in the State with a resounding mandate and emerged as a key player at the Centre as his Telugu Desam Party is the second largest constituent in the BJP-led National Democratic Alliance

## Appaji Reddem

double vicor Nara Chandrababu Naidu,
the 74 en Party (TDP) supremo, the 2024 elections brought a
double victory. His party captured
power in Andhra Pradesh by winning power in Andhra Pradesh by winning
135 seats in the 175 -member Assembly, 135 seats in the 175 -member Assembly
and emerged as the second largest and emerged as the second largest
party in the National Democratic party in the National Democratic
Alliance (NDA) by securing 16 Lok Sabha seats (out of the 25 in the State), With the Narendra Modi-led Bharatiya Janata Party (BJP) falling short of the halfway mark in Parliament by 32 seats, , Mr. Naidu has
emerged as a kingmaker The Bup is emerged as a kingmaker. The e also banking on the Janata Dal
(United), led by Bihar Chief Min Nitish Kumar, which won 12 Lok Sabha seats, and other smaller NDA partners
to form the next government a the to form the
Centre.

Post elections, there were rumours that the Congress and the INDIA
alliance had offered the special aliliance had offered the special
category status to Andhra Pradesh and key portfolios to the TDP in return for the party's support, but Mr. Naidu,
who flew to Delhito o oin an NDA who flew to Delhit to join an NDA meeting after the results were announced, made it clear that he
would stay with the BPD-led alliance would stay with the BJP-led alliance.
Prime Minister Modithanked Mr. Naidu for extending the TDP's suppor for the NDA. And Mr. Naidu said Mr. Modi is the right leader for India at the right time, adding that balancing regional aspirations with national interests is a must for India, while ensuring the holistic d
all sections of society.
For record, Mr. Naidu played a key role in national politics in 1996 and 2014 when he was the Chief Minister of Andhra Pradesh. He extended his support from outside to the Atal Bihar Vaipayee government. In 2014, when
Mr Modi came to power at the Centre Mr. Modi came to power at the Centre, he was part of the NDA, but the
alliance fell apart in 2018 as the demand for the special category status (SCS) for the bifurcated Andhra Pradesh was not met. The TDP high command then asked its Ministers in the Union Cabinet - Ashok Gajapathi
Raju and Sujana Chowdary - to quit.

Cut to 2024 Mr. Naidu has extended "unconditional" support to the NDA.
The TDP's emergence as a key ally of the BJP in a comealition government is of the ejp in a coaltion government tis
a timely opportunity for Mr. Naidu. He has already made it clear that the TDP will be a part of the Union Cabinet and he may bargain for plum portfolios. His immediate goal is to finish the incomplete task of rebuilding the
bifurcated A.P. and, especially, bifurcated A.P. and, especially,
Amaravati as the capital city - h brain child.
He fought the 2024 polls in an
alliance with the BP and alliance with the BJP and Pawan
Kalyan's Jana Sena Party (ISP). Kalyan's Jana Sena Party (JSP). Explaining the logic behind the
alliance, he stated that without the alliance, he stated that 'without the
Centre's support, it is not possible to Centre's support, it is not pos
rebuild the bifurcated A.P."
Mr. Naidu may also revive his
demand for the SCS for the State demand for the sccs for the State,
which was promised the tormer which was promised by the former
Prime Minister, Manmohan Singh, in the Raja Sabha, in 2014 when A.P. wa bifurcated to carve out Telangana. the SCS to AP for five years, the BIP had endorsed the same to be extended for 10 years. This apart, Mr. Naidu is expected to seek the Centre's support for completing the long-pending
Polavaram Multipurnos Polavaram Multipurpose Irrigation
Project, say TDP leaders Project, say TDP leade
Grandiose plan As the first CM of bifurcated A.P. in
2014, Mr. Naidu came up with grandiose plan to build Amaravati with the help of a Singapore consortium, which submitted a master plan. He could gather over 34,000 acres fron
thousands of farmers in 29 villages through a land pooling plan for Amaravati.
But he could not complete the project as he was voted out in 2019 and Y.S. Jagan Mohan Reddy's YSR Congress party came to power. The YSR Congress government Amaravati as legislative capital; Visakhapatnam as executive capital and Kurnool as judiciary capital, to ensure decentralised development of the State. But the plan did not take off either within the five-year term of Mr.
Jagan's sovernment.


Mr. Naidu started his political caree right from his student years in Sri where he did MA in Economics Hailing from Naravari Palli in Chittoor district, he joined the Congress party. He became an MLA at the age of 28
and a Minister at the age of $30 . \mathrm{Mr}$. Naidu served as the Minister for Cinematography, Technical Educat Irrigation and Archives during T. Anjaiah's government between 1980 and 1983.
Later he married Bhuvaneswari
founder of the TDP and a doyen of Telugu cinema. Later Mr. Naidu
switched to the TDP and became Chief Minister in 1995 in united A.P. after a revolt against his father-in-law and Chief Minister NTR. During his 10-year tenure, Mr. Naidu created a space in favourite IT destination.
During this time, Mr. fermed the CEO of A.P. as he promoted high-tech and transparent governance. He convinced Bill Gates to set up the Microsoft India
which at that time was the biggest Microsoft facility outside the U.S.
Later, several global corporations Lates, severar global corporations,
mostly firms made a beeline to se up shop in Hyderabad. However, in the 2004 polls, Mr. Naidu lost power to the Congress party. There were criticisms that his high-tech governance overlooked the Y.S. Rajasekhara Reddy of the Y.S. Rajasekhara Reddy of the
Congress won two consecutive term and remained the CM till he died in a helicopter accident in 2009. Mr. Naidu was back as CM post bifurcation of the State in 2014. During this term, he promised to build Amaravati like he that he is back in power, his pet project is in the limelight again.

Jail term
After his 2019 defeat, Mr. Naidu faced multiple cases and was arrested in September 2023 in a multicrore sca related to the Skill Development was a low point in his political career But it was at this time,
actor-turned-politician and Jana Sena Party leader Pawan Kalyan announced his support for the TDP after meeting Mr. Naidu in Rajahmundry jail. M
Kalyan also said he would work Kalyan also said he would work the BIP together to form an alliance. The trio fought the 2024 election together, and the rest is history. It's a wonderful result and such huge majorities became possible only due to the combined efforts of the
TDP, the Jana Sena and the BJP," said TDP, the Jana Sena and the BJP," said
TDP State president K. Atchannaidu. "The victory has enhanced our responsibility multifold. The State is sabotaged, systems failed and the YSRCP has thrown the State into a financial crisis. But still, I'm very confident that the State is under the
able and experienced leadership of Nara Chandrababu Naidu and a stalwart like Narendra Modiji is PM; we will bring the State back on the right track. And we will live up to the responsibility given to us by people, he said. "I bow to the five crore Telugu people in the State who gave us such a
great victory."

## THE GIST

Chandrababu Naidu became Chief Minister of
Andhra Pradesh for the first time in 1995 after a revolt against his father-in-law and the then Chief Minister, N.T. Rama

[^0]
## The Dalit commander

## Chandrashekhar Azad

The leader of the Azad Samaj Party, who won from U.P.S Nagina, says his work will be for Dalits, tribals, Muslims, youth and women, and it will always be against injustice

tory in Uttar Pradesh's Nagina constituency - a traditional bastion of the Bahujan Samaj Party (BSP),
Mr. Chandrashekhar' victory by a margin of ove 1.5 lakh votes on a seat like Nagina, put together with the BSP's abysmal perfor mance this year (the party drew a blank), is now giving more credence to the
argument that the fireargument that the fire brand leader has occupied voters in the region. An Ambedkarite activist and lawyer by education, Mr. Chandrashekhar's pol itics is built on a visible as sertion of his Dalit, specifi an activist, his initial focus was on bringing volunteer run schools to the people of his community.
One of the early instanc es that catapulted Mr. Chandrashekhar and his
organisation, the Bhim Ar my, into the spotlight wa my, installation of a board in 2015 on a private land in Gharkauli, proclaiming, "The Great Chamar: Dr Bhimrao Ambedkar
lage, Gharkauli welcomes you", which triggered ob jection from Thakurs. Ever since, the Bhim Ar my and its members have worked hard to becom
the first port of call for people of their community - whether it is about atroc ities by upper caste folk or police brutality or about protecting Ambedkar sta tues from bulldozers The Bhim Army has also organised protests
manding government a tion against atrocities on Dalits and arranged legal help to the victims. As the conversation in Mr. Azad's Western Court
quarters continues, he quarters continues, he
says, "Now you see what they are doing with the Ambedkar statue's relocation in Parliament complex. I am not going to let
that go."

Dalit-Muslim unity A significant part of Mr. Azad's politics over the years has also been to which was buoyed by ty, which was buoyed by his participation in the anti-

CAA protests that had erupted across the country
in December 2019 His in December 2019. His hrotests in front of the Del at Jama Masiid won him an almost cult-like status. Following the promi nence his politics gained
after this, Mr. Azad regis after this, Mr. Azad regis-
tered his party - the Azad Sered his party - the Azad - and immediately started - and immediately started ical organisation. In 2021, TIME magazine put him on a list of 100 "emerging leaders who
Now, as he prepares to take oath as a member of the 18th Lok Sabha, Mr. Azad is clear about his priorities - "My work will be for the Scheduled Caste,
Scheduled Tribe scheduled Tribe, back
ward classes, Muslims, ward classes, Muslims,
youth and women and it will always be against injustice," he says, without getting into the specifics except one thing - the need for a Caste Census. Asked if he thought the asked if he thought the
vote for his politics was one rejecting Hindutva Mr. Azad was cautious in his response. "Religion is a personal thing. It should not be brought into polit-
ics. So I won't say this was a rejection of anything, but I will say this: BJP leaders repeatedly talking about making a theocratic nation
and their arrogance has and their arrogance has upset the people and they
have spoken accordingly",


However, in the just concluded national polls, Geniben Thakor, the 49 year-old Congress candidate from Banaskantha in North Gujarat denied a hat defeating the ruling party's Rekha Chaudhary.
"Geniben has become a giant killer not just for defeating the BJP candidate but also for smashing the
BJP's giant ego that Gujarat BJP's giant ego that Gujara
was theirs," said Gulabsinh Rajput, a former Congress legislator who played a key role in Ms. Thakor's victory from Banaskantha, a rural district where large numdent on dairy farming and animal husbandry. The local Banas Dairy is the largest among over a dozen district milk unions that make up the Gujarat Coop erative Milk Marketing Federation, which markets dairy products under the naskantha, where, during the campaign, Prime Minister Modi said, "if you had two buffaloes, the Congress would take away one if it is voted to power"

Ms. Thakor comes from a lower middle-class family in Banaskantha. Thakors in Gujarat are spread in the
North and Central regions and are called OBC Kshatriya. They are mainly engaged in agriculture with small holdings or are laourers in the farms. A student of the Jain

The giant killer

## Geniben Thakor

The Congress leader denied the BJP a hat-trick clean sweep of Gujarat by winning the
Banaskantha constituency

# In a tale of two nations, a case of shared values 

Legacy and contemporary pragmatism can and must combine in South Africa. There are lessons for India as well

"I

 joy and repeated with zeal dur-
ing the itte under two year that I was privileged to work in Indiais Higs
Commision iprotori (1996-197). Those
Wer ins.
 leleased from this 2 -yeer--long captivi aspectacuar majiority in the first multi-r.a.
cial general elections of April $27,1994$. Ha ing gotito my new sew station justataterer one of ou Slogan tocesions. "Indiamosouth Africa: Two
nations, one democracy". Though in the election his ANC had
obtained amajority fieats int Ne National
Assembly and was ululy within its rights to form the government on its own, Nelson
Mandela set up a government of national unity He asked the party of the apartheid
era, the National Party (NP) and the ANC's

SUNDAY SENTIMENTS \} Karan Thapar
The old order changeth, yielding place to new?


Why Big Cats matter for biodiversity and climate

I

 vote share dropping from $70 \%$ in 2004 to
$59 \%$ in 2019 to 00.18 , now. Thirty years atter $59 \%$ in 2019 to $00.18 \%$. now. Thirty years atter
Mandelas sirst election victory, nearly wwo-


 have not voted the ANC out but have said to it ". "he struggle that brought yout to office
answered he hugner our osolls, , what we
now need is something that answers the now need is something, that answers the
hunger in our stomachs."

 good education, decent employment, good
heaethchere and other social benefits, it has

 heid. In addition, various otarers socaialit it
such a a crime, gender based violence, co ruption and state capature have reached
almost eqidemic proportions in the last three





However, the key question is can Modi,
temperamentaly and pyschologically,
adiusto the erery difter
 he eneeds to reach out to his allies, often
jive in to them and always seep them
content and satisfied?
 ter of Guiarat and 10 more as Prime Min-
ister of India he did not need to do this.
Itsen
 where ministers did what the Prime Min-
isterss office required. None dared to demur. Whatat his attiude to autonomous institutions like Parliament. the judiciary
and the media? The old Modi often ignored Pariament, was dismisiviv of the
media and his goverment media, and his government hell up pudid
cial appointments. But now the weaker Mual apip react to adopt a amore consenallies and endanger his alliance. Is he will-

learn not justo tolerate and accept but to
live with both. How easy will that be? The questions, of course, go further
Some have to do with his recent pro nouncements. He mayn hope thent re por-
goten but I doubt they will be. No tin the goten but Idoubt they will be. Not in the
political climate that prevails. For a ctartat there are thevings h hesid dur-
ing the campaign that could haunt him unless he learns to smile and deflect. But is that what heil do when claims of tis
non-biogogical irth a te tron at him as
taunts? And mark my words, they will be. When that happens will he brisiste? More importantly, can he resist the
temptation to demonise Muslims? His allies a rae unilikely to accepp further occa
sions when Musims are called influtetor


 be reducect to one simple vuestion can can
ord dr Mod become new Wr Mop
 ance depends on it. So, too, does his oliti-
cal future. But what sthe answer?



## Meet the sno


\{engender \} Lalita Panicker
Mediation matters: A need for more women


\footnotetext{
\{ SUNDAY Letters

| Responsible <br> reportage is key <br> 'Forget those vaccine <br> fears, time to move on' by <br> Anand Krishnan (June 2 ) <br> The study by BHU on the adverse effects of <br> Covaxin and the resulting <br> should be a cause of <br> concern. Responsible <br> media reporting is crucial to avoid <br> unnecessary alarm |
| :---: |

Spies who came in from the cold This is with reference to 'Brotherhood of lapsed spies
turned chroniclers' by Karan Thapar (June 2). The book,
Co of frosty India-Pakistan ties, the book is a reassuring

## Class hypocrisies should be examined

 This is with reference to 'In Pune crash, a mirror to ourclass hypocrisies by Pavan K V Varma June 2). While
nobody can condone the family's behaviou to nobody can condone the family's behaviour to get thei
ladla out of trouble, it is the economical status of the cudla out of trouble, it is the
cult that gets our goat.


## 8 FE SUNDAY

Idea Exchange

Mihir Vasavda: Is there a nice way of of breaking the news to a player that hat
 Howdoyou handile emotions?
trs she wost phatrof the iob.Whe

 (reduced it to) 29,27, nowit's 24 , soon it 11
be 19 and then it'll be 16. So it's not easy.
That's why the Olympics are the pinnacle of our sport. Not everyone gets to go. It's a
bonus if you do well. There are so many variables that can happen. You try to pre
vare for every pare for every single eventuality; injury-
wise, tactics-wise, players that get injured
in the game, then who can cover and how you canstill playyoursamer erhythm,tactics
and style even if you lose a player or two.So and style even ifyc
yeah it's difficult
Forthe World Cup, the selection is of 18 players including two goolkeepers.At the
Olympics, it's 15 and one goalkeeper,so 16 . Olympics, it's 15 and one goalkeeper, so 16 .
Then there are two non-travelling players Then there are two non-travelling players
and one goalkeeper that stay outside the vilage butyoustiln need to create too fat
ity environment. think $20-30 \%$ of the
time players get injured and you need to use either the 17th or 18th player. Seldom
does the goalkeeper get used but the other going to happen but it's possible, so yo need them in the right fran
ensure they haven't shut off.
That 17th or 18th player could be the
key for a team to be very successful. That happened with Belgium. We were in the
World Cup and two players got injured. Th World Cupand two players got injured. The
stand-bys came in and went all the way and won the tournament. It's a massive
part of the success ifyou can do it right. Mihir Vasavda: Everyone has thei
insecurities and ambitions, especiall at a time like this when the team is getting selecte
the camp? about equipping each otherw. abols quipping each otherwith the righ
tools but also about having a platform whereyou can open up and say ' 1 Iam strug-
gling with this'. We have a circle of trust going around pre-match, and post-com-
petition. If you are struggling with something, speak. From a staff point of view, frema player-to-player point of view, there
really needst obe abridgeof trust.IIworks well. The tour to Australia (in April) was
tough and therewas feedback post-games there. Paddy (Upton, the sports psycholo-
gist) wasthere and we did some good worl in that space. The mood is exciting

Sriram Veera: In your first team meet
ing, you drew an India map, asked th players where they are from, and you populated that graph accordingly. What
was the reasoning beyond the obvious? was the reasoning beyond the obvious?
(Shows his laptopwallpaperwhere that (Shows his laptopwallpaperwhere that
graph is). Players come from all over; from Punjab,Manipur, Kerala, and South; it was
interesting to work out what was thei to the same academy, who has played How did they come into hockey - was it
family-based orare you an outlier spotted family-based or
for your talent?
With that kind of deep information,
can know who connects can know who connects with whom, the
common grounds, the language challenge common grounds, the language challenge

- who has had to learn Hindi, who speaks naturally. India's strengths are its various
cultures, dialects and diversity. If I don't understand that melting pot,I Iamlessero I also had a language challenge with
some but we did a value-based exercise some but we did a value-based exercise -
how they wanted toplay, how theywanted achieving that - it was done in three dif-
ferent languages. Everyone connected with that.
So it was fruitful and interesting not
just for me but for them. Someone like
Sreeiesh was impressive; he comes from Sreejesh was impressive; he comes from
Kerala, down in the south - isolated ifyou consider the regular pockets of hockey in
the country.It's interesting how he had to move arou
the group.

Sriram Veera: You also delved into the
castes involved and were curious about castes involved and were curious about
learning that early on. What is the reason behind that?
Coming from South Africa, it's a rain
bownationandyou can say the same thing bownation and you can say the same thing
about India. I grew up in Apartheid and I didn't even knowthe details.In'84, when I
moved from Zimbabwe to South Africa, I moved from Zimbabwe to South Africa,
wasn't any wiser about this stuff. When school and played in a tournament wher he was released. Growing up in the politi-
cal system, you learn. We played the Olympics in Athens and our the 1996 We had qual ified we to political reasons kept the same team from'96 but we got
pulled outata we didn'thave enough payer pulled outas we didn't have enough players
of colour. How is that normal? It brought big changes in the country - right or
wrong. I was too young to understand. I wrong. I was too young to understand.I
look tit now: India's caste, South Africa's white-black - it's all human.
tant to understand all this. But one of the bigger problems in India
(hockey) is that of hiera junior you are as a player, the less say you have. Id don't subscribe to that. If that's the case, youare in a flawed system. I have tried
to crack that wide open: of course you need seniors but you want a safe space need seniors but you want a safe space
where players can share without any wor

# DEA exchange 

CRAIG FULTON HOCKEY COACH, INDIA

## WHY CRAIG FULTON

The former South African hockey player came to India after turning an almost unknown world hockey team like Ireland into a side that routinely punches above its weight. After being an assistant coach for Belgium, arguably the best team of the last decade, he's taken over an Indian team that returned to the Olympic podium after over four decades. He will now take the team to Paris Olympics, with the hope of repeating - or even improving - the Tokyo Games show

ON HIERARCHY
The more junior you are as a player, the less say you have. I have tried to crack that wide open: of course, you need seniors but you want a safe space where players can share without any worries

ON FUTURE PLANS
We are looking to connect how the U-21s play compared to how the seniors play. The same terminology, training, drills and then you allow the new U-21 head coach to put his own spin on it. That's the succession plan

## 'One of the bigger problems in India is hierarchy.I don't subscribe to that'

The India hockey coach on preparations for the Paris Olympics, getting the players to share their stories as a part of team-building process and understanding the country's caste system and its impact on individual performances. The session was moderated by Mihir Vasavda, Senior Assistant Editor, The Indian Express

ON INDIA'S DIVERSITY
India's strengths are various cultures, dialects and diversity. If I don't understand that melting pot, I am lesser of a coach. It took time but it was fascinating
ries. That we have achieved from my sid
and also from seniors, which is great.
Amit Kamath: When you first joined Hockey India as coach, what were the things that stood out in contrast to Belgium. Did you spot a difference in the in the two countries? Were there any similarities?
The number one thing that stands out is that there is no league in India. From a collective point of view, Europe is fuelled
from a family club environment where clubs are well supported from juniors to
whoever plays in the fifth, sixth, seventh quite isolated as the senior squad and the U -21 team train all year round for competitions. There are the National Games or the National Championships.
be the league environment. What happened in the Hockey India League came in and helped get that youth into competitions with international players from the rest of the
world.I'm glad that's coming back, as itwill world.I'm glad that's soming back, as it will
be helpful for Indian hockey to competition outside of just international competition.The legacy that Indian hockey has is very different from the legacy that
Belgium hockey has. It's just Belgium hockey has. It's just a different
story.Forthelast 10 - 12 years, Belgium has story.For the last 10-12 years, Belgium has
put a lot of emphasis on... from not qualifying to being consistent in qualifying for all the Olympicsand then going from Lon-
don 2012 to Rio 2016 and from there to Tokyo 2020. So that was a big improveIndia's track record, from finishing last in London 2012 to eighth in Riode Janeiro to medalling in Tokyo 2020, it's been a very
impactful period and the investment's impactful period and the investment's been in the right place.The coaching has
been donewell. The investmentin strength and conditioning and training facilities in SAI Bengaluru was done well. That showed on the pitch. We're in that same space.
Although India is really fanatical about its hockey, it's taken a while for them to be


ON THE MOOD IN THE TEAM
We are humans, not robots. It's not just about equipping each other with the right tools, it's also about having a platform and saying, 'I am struggling with this'. We have a circle of trust
against Australia. But if we played Aus tralia, it would help expose some parts of ourgame that were really good or
I think we got the benefit of both. Ourdeep defence wasvery good.Some-
times, Australia can get the betterof youby times,Australia can get the better of you by five,six, seven goals. In the first game, likel
said, weweren't there It was a little bitof said, we weren't there. It was a little bit of a
mismatch on the day from our point of view. The other games were good but unfortunately, we couldn't get over the line. We learned a lot. I was pleased about
the competition, but even more pleased the competition, but even more pleased
about the depth in the squad and covering different positions.

Vinayakk Mohanarangan: When India is playing, there seems to be a crucia match-costing mistake around the co
ner.How do you address that? You are always one mistake a conceding a goal? At the same time, you hopefully don't make the last mistake, hopefully creating enough pressure to $p$ they make the last mistake
And the beauty of it is if we can lea those lessons. And I know that the coach and coaching staff know how to fix it. It's not like it's an impossible fix. Th
morewe can learnthat lesson,themorew put it into practice. Once the selection done and we are playing the chosen team in those different positions, we are really prepared for that situation. Once we'v gone through all of this, made a few mis
takes, really gone down to our final selec tion, then we have the players who can dea with those situations. You need good
players to win, but you can also lose with good players.

Tushar Bhaduri: Does India's hocke came after such a long time, increa the pressure on you?
To be perfectly honest, for any team to
win a medal in Covid is an exception achievement. It's not normal what ever onewent through at that time - preparin
forolympics the delay for Olympics, the delay of ayear, and every
thingelse theywent through. So Iwon't thingelse theywent through.So, Iwon'ts istically, every time we play in a competi
my philosophy
ideal goal. The ideal goal is ideal goal. The ideal goal is to win gold in
everytournamentwe play.Realistically, it's where you are ranked now, and howyouare performing. That's where the next block o Pro League games comes in. We took a
knock with the Australia results (India los the five-match series in Perth 5-0), bu that's a different scenario because that wasn't on tournament basis,it was a one off series.
we have now we have wide th we have now, we have video referrals, w
have everything that we would be accus tomed to in the Pro League. At the same play up...We are, I think, ranked fifth or room in getting into the top 3 , and we are looking at the next seven weeks and obviously,after this Pro League, to know exactly
where we stand and what we need to improve to bevery competitive in our poo well as we can, we want to win this compe-
tition. But realistically, where are we now? We area little bit behind, but we have eigh games in the Pro League to understand where exactly we stand, and from tha
point of view, I can answer this question post these eight games.
Pratyush Raj: In recent times w have seen our forwards struggling to score goals. Wh
they can improve?
That's difficult because a lot of the
teams are playing teams are playing lower (block) now. They
are putting nine and 10 players in are putting nine and 10 players in and
around the 25 (metre,defensive third). You have less time in the D to turn and shoot shot
hecause of the zonal elements but that's because of the zonal elements but that's
been there for the past maybe five or six been there for the past maybe five or six
years. The Indian teams have scored goals n those periods. It is just about the chen mindset of the players when they are get-
ting into the $D$, they are full of confidence. ting into the D, they are full of confidence.
Everyone tries to shoot, everyone tries to connect in the nine-yard area. There is a lot going on in the final third. There ar
challenges if you are making mistakes a the back in the penalty corner and then upfront if you are making a mistake, it
changes the dynamic of the game. get as many outcomes as possible and enjoydoing it. Weare tryingto convert field
chances to goals and certain team play low, certain teams don'. We are trying
to get the right combinations that suit all to get the right combinations that suit al
the strikers.

Nitin Sharma: What are you
thoughts on junior hockey in India thoughts on junior hockey in India?
Does the junior hockey system in India Does the junior hockey system in India coach thinks?
Ithink there is a gap between the U-21 and the seniors. We are looking to work with the Indian A team and the reason fo
that is we have a very strong U-21 group. that is we have a very strong U-21 group.
And if some of those key players canno come to the seniorgroup, where do theyge They have had three-fouryears of trainin with the U-21s. They played in the World Cup and all of these competitions and sud-
denly there was no space for them. I think they are the next best thing to come int spaceyet for them with a full coach and sys-
tem. That's in the plans.We are looking to tem. That
do that.
And then from the $\mathrm{U}-16 \mathrm{~s}$ and $\mathrm{U}-18$ ing to get them to play the same way. It's been ayearsince Ijoined and we are looking
out fora newU-20 coach. We are looking out for a newU-21 coach. We are looking
connect how the U-21s play compared to how the seniors play. The same terminol ogy, same training, same drills and the
you allow the new U-2 head you allow the new U-21 head coach to pu
his own spin on it in the principle of houn his own spin on it in the principle of how
we need to play.That'swhat we are looking

PLACING THREE BIG REFORMS ON NEW GOVT'S TABLE

WHILE political analysts are frothing at the mouth try elections that's a tight slap for the BJP, economic and business analysts are spendings seepepless nights worry-
ing about the future of "reforms . The problem is, what reforms are we takikng and worrying about? It depends cated-yet-rich trader will be more worried about reforms in an professional will be worried about taxes. A poorly educated and poor Indian will wonder what the fuss is all about.
Yet, beyond the rhetoric and polemics, econom mater. It is the much-maligned economic reforms since 1991 poverty under regimes of various hues. But the task and the
process, as almost all sensible economists agree, is far from process, as almost all sensible economists agree, is far from
over. Forget the coalition jostling. The more important question Modi 3.0? I want to highlight three ther transform India could furOne of the biggest failures of Modi 2.0 was its dismal letdown in farm reform laws would actually the farm laws and then abjectly surconvinced the farm laws would im mensely benefit small farmers and landless labourers. The fact is that
more than 85 percent of farmers in more than 85 percent of farmers in
India own less than two hectares. Contract farming, freedom to sell hostage to mandi middlemen and pooling land to form cooperatives (it has been a huge success in pockets were attempted, $a$ $l a$ Amul) may not help rich farmers. But
More important, contract farming et al will incentivise large
private investors with deep pockets to set up massive cold storage facilities across India that will provide hundreds of thousands of jobs, if not millions. Of course, cold storage investors
will make tonnes of money. But so will marginal farmers and now. Barely a quarter of the fruits and vegetables produced are processed now. Imagine the spectacular impact on rural in-
comes when three-fourths are stored and processed. As for the
fear that the likes of Adanis will grab the land of poor farmers, it is just hogwash. Even with this, too many will still depend on agriculture and allied activities for a livelihood (about 50 percent do now). The sources of livelihood. The only available option is large-scale production-linked incentive(PLI) that encourage domestic man-
ufacturing. A lot of economists argue that PLI is not just a waste ufacturing. A lot of economists argue that PLI is not just a waste
of money, but also fails to create a genuine value-added manufacturing ecosystem. That's a flawed argument at best, if not and Southeast As systems by ruthlessly implementing schemes like PLI that ef fectively provided massive subsidies to domestic entrepreneurs.
You can call it crony capitalism. But fewer citizens in these countries are poor since such schemes kicked in. It is only massive
factories that will enable citizens dependent on agriculture to permanently escape the low-productivity-low-income trap. That brings us to the third critical reform: labour laws. Some-
how, many Indians reflexively oppose labour law reforms as ers even more. Once again, that is hogwash. About 90 percent
of workers are in the unorganised sector, and they are being ruthlessly exploited anyway. Labour law reforms can do two things. First, they will enable workers to work longer hours and entrepreneurs have the flexibility to hire based on orders and not be stuck with so-called 'permanent' employees.
I wrote in this paper about the DMK-led government in Tamil Nadu tweaking the law to enable 12 -hour work shifts. Workers welcomed this move. But so fierce was the opposition from 'pro-
worker' vested interests that the move was abandoned. Massive manufacturing investments will come only when both PLI-like
schemes and labour reforms are brought in. Sure, it will enable tycoons to earn billions. But it will also ensure tens of millions of workers to see their amily incomes skity But I am convinced the
about income and wealth inequality.
worker whose income goes up from ₹ 10,000 a month to 330,000 doesn't give a damn about inequality.
Can a coalition deliver reforms? One example from the Vajpayee era shows it is possible. The most transformational reform
measure of the coalition Vajpayee regime was dropping fixed annual licence fees for mobile telephone operators and moving of mobile phone subscribers zoomed from about 2 million to more than 100 million. Today, the more-than-a-billion active motion. Back then, the regime was slammed for crony capitalism.
If that was crony capitalism, let's have more of it in Modi 3.0.


## QUOTE CORNER

I have a 9 -to- 5 job. There is an indoor facility (nets) go there twice or thicice. I practice 7 -9 at night. The remaining two days, hit the gym. We have a fitiness app for the 30 probables of the national team... We are (

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Saurabh Netravalkar, Indian-origin bowler for the US T20 team and
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[^1]We imagine a plural, diverse and democratic Mexico. Our duty is and will always
be to look after each and every Mexican, without distinction.
Claudia Sheinbaum, aftera landslide victory to become Mexico's first female president

A MANDATE FOR CONSTITUTION AND CONSENSUS


POWER \& POLITICS padburchaw enenexididanexpess Folom

 by victory Greatness lives in one Who otriumphs equally over de
feat and victory The great Amer inan writer John Steinberk
couldn't have imazine how ac curate he would be in describing the re
sult of the latest general election in In created history by becoming the second
political leader after Jawaharlal Nehru to be sworn in as prime minister of the consecutive term. He is the first genu-
inely non-Congress leader to the enviainely non-Congress leader to the envia-
ble feat. He is also the second RSS
swayamsevak after Atal Bihari Vajpayee swayamsevak after Atal Bihari Vajpaye
to lead the nation since independence. Yet, there is an arithmetical distin
ion between Nehru and Modi. While the Congress under Nehru won the three
Lok Sabha elections in 1952, 1957 and Lok Sabha elections in 1952, 1957 and he bulics alone it could whe help oup the majority figure of 272 seats on the third attempt. Nevertheless, the hur-
riedly-stitched pre-poll National Demo riedly-stitched pre-poll National Demo
cratic Alliance (NDA) triumphantly re cratic Alliance (NDA) triumphantly re-
turned to Raisina Hill under Modi' leadership with just under 300 seats. Mo
di's idea of political India has survived slightly modified by voters. For now. For the Constitution before getting formally the Constitution before getting formally
elected as the leader of the NDA.
The verdict has, however, delivered The verdict has, however, delivered
an ominous blow to the concept of a single-party majority government
which is seen as essential for political
and economic stability. The electorate
has denied a majority to any one party has denied a majority to any one party
after a decade. India is back to the coali-
tion era that began after Rajiv Gandhi's tion era that tegan after Rajiv Gandhi's
defeat in 1989 and ended after almost 25 years in 2014 when Modi ensured full majority for the BJP. The BJP won 282
seats in 2014 and 303 in 2019. A decade
later, the BJP could secure only 240 later, the BJP could secure only 240
seats out of the total of around 430 it contested. It lost 63 seats mostly to its
traditional rival Congress. This time it's not Modi 3.0 but NDA 3.0 led by
Modi, with the earlier two editions of NDA helmed by Vajpayee. Even in de-
feat, though, the BJP scored more seats than any ruling party has done in the
recent past. The Congress under Rajiv

ing unemployment. In addition, exces
sive dependence on outside agencies for micro poll management created confu micro poll management created confu-
sion. It led to a disconnect between the
committed workers and the professioncommitted workers and the profession-
als who were hired to design the contours of the campaign. Above all, the and workers also contributed to the de-
cline in votes. Soon after the 2004 debacle, the then Deputy Prime Minister L K Advani had stated that the BJP lost be Skewed economic policies are also
partially responsible for BJP's losses During the past decade, the BJP govern ment has spoken proudly of its pro-busi
ness ideology. Modi has promised to ness ideology. Modi has promised to economy. He had
earlier stated that earlier stated that
India would be a India would be a
$\$ 5$-trillion econo-
calation of over 180 percent during his five-year tenure. The Congress was mauled and Rao was politically mar 1996 because it was perceived as being pro-rich. During Manmohan Singh'
tenure from 2004 to 2014 , the Sensex end ed with a Brobdingnagian 400 percent ed with a Brobdingnagian 400 percent the Congress lost even the status of the main opposition party in the Lok Sabha
It is evident that the Western capitalis principles don't work in a democrati country like in India where over 800 mil lion people are still dependent on free
bies from the government. Modinomics will have to change to include the NaiduGood er politics. It's not the amount of foreig axchange or the number of extra billion aires created by a regime which gives it The succeess of any coalition government ister's prowess to mould him to handle 22 years, Modi has evolved an admini rative model in which he alone plays
decisive role. He collects inputs, yet h isn't used to the concept of collective re-
sponsibility. It has helped in taking quick in a record time. He is a master sloganIndia, he has mesmerised the natio with his generous guarantees.
He has been leading a cabinet in which he has been the first among unequals,
But the new numbers would also alter the administrative algorithm whic would guide policy formation. Modi stil remains the most powerful leader. Hi enjoys the title of the Maximum Leader
For his long-term success and for possibly creating history by completing a ful 0 a renewed politics of consensus, an to a renewed politics of consensus, an his greatness. NDA 3.0 needs to follow
kindness, and not brute numbers, the commoner's touch, not billionaire hand

## KAUTILYA'S ADVICE ON GOOD GOVERNANCE



OPINION


(1)AR is a state of extreme vio-
lence, destruction and mor-
tality. Several countries have
in recent times been ravaged
and destroyed by war: Iraq,
Syria, Afghanistan, South Ukraine and Gaza. The toll on the people, especially women and children, is
immense: displacement, economic devastation, food shortages and insecurity.
Wars in ancient India were conducted under strict rules. Fighting from sun belt. I am bemused by the Kurukshetra day, the Pandavas and senior Kurus would fraternise in the evenings. Ar-
juna stopped the war to discuss the ethics of fig sult. Bhishma lay on a bed of arrows for 41 nights, at times lecturing Yu Suishthira on raj dharma
Sun China saw w
His The Art of War is a military work
dating back to 500 BCE. For almost 1,500


## Kautilya separated politics from reli- sion and claimed that knowledge of the

 gion and claimed that knowledge of thescience of politics can conquer the
world A dutiful king who rules accord world. A dutiturut king who rulese accord-
ing to the law, metes out just punish ments applies the lawe cqually and prohe said. Greathess, he believeved, worthld act in their political, economic and mil itary self-interest.
Artha meaning
Attha, meaning prosperity or eco-
nomic security, is one of the four aims


Unlike Sun Tzu or Machiavelli, Kautilya saw the security and prosperity of the His Arthas shastra deosribes a welf His Arthashastra describes a welfare
state governed by a wise monarch With good governance, the weak wil resist the strong, said Kautilya

## of human life in Hinduism. The Arthasahastra says there are four nec essary fields of knowledge: the Vedas and the sciences of reasoning, govern- ment and economics-all other knowl edge and wealth is derived from these. cials and advisors, checks on the gov ernment, the cause of pooverty and pub- lic dissatisfaction, civil and criminal lic dissatisfaction, civil and criminal law and the courts, laws governing tax- ation, marriage, wildlife and forests,

stablishment of mines and factories, secret service and information collec
ion, war and foreign policy are all dis tion, war and foreign policy are all dis
cussed at length in Kautilya's oeuvre.
He has been described as Machiavel He hat, been described as Machiavel ya mainta of the security an prosperity of the people are the source distribution of land belonging to land owners who do not cultivate and giving it to poor farmers who want to cultivate of public projects like the construction eas devastated by calamities.
His description is of a welfare state hi or sage-king Without a ajance the strong will swallow the weak; but with good governance, the weak will re-
sist the strong, said Kautilya. The book sist the strong, said Kautilya. The book is a manual on statecraft and govern rience to share.
Kautilya gives detailed descriptions on maintaining forests and afforesta o the collection of revenue from timbe and non-timber forest products andde tion and illicit tree felling were punished by deya (levy) and atyaya (fine). Th
Mauryan emperors had a large forest de partment to maintain and exploit forests and a superintendent for eech zone. Th state even supported afforestation.
The Guptas were probably the last stu dents of Kautilya. Later Indian king forgot Kautilya and his advice on


| endra Modi has said we would make India the largest economy. But India is still struggling move income disparities between the rich midlass and the poor. In rural areas, families who end on farming are struggling to get two meals families. Without removing income disparities growntation, no government should claim w <br> B Sundar, Chennai <br> wer margin <br> 4 Nakendra Modi won Varanasi by a margin of <br> t 1.5 lakh votes. In normal circumstances this <br> uld be considered a reasonably good margin. But <br> Modi this is very ordinary, as he was hoping to <br> by a record margin. If Modi is contemplating esting in 2029, he should seriously consider a |
| :---: |
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| constituency in his home state of Gujarat. <br> K R Jayaprakash Rao, Mysuru <br> NOTA note <br> The 2024 Lok Sabha election will be remembered for a 'silent' feature-for NOTA's victory. The rate of voters opting for 'None of the above' has increased. It shows their dissatisfaction with candidates and parties. The Election Commission has to take measures to decrease the NOTA rate. <br> Ahmad Bilal, Mangaluru <br> Doctors' duty <br> The action taken by the vigilance department against private practice by government doctors is a welcome step. This is illegal and strict action should be taken. The second case is of doctors working in public health clinics which come under the directorate of health services. They are not prohibited from private practice outside government premises and beyond duty hours. But these boundaries are crossed too. The association of government doctors is a powerful lobby. Let's hope the government can |
| :---: |
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|  |  |
|  |  |

## make doctors work at hospitals as per duty norms. Sarit Kumar, email <br> Rough ride <br> The proposal to increase bus fares in Karnataka is a rude shock. While admitting that the operating cost has gone up in the last few years, one wonders why the government offered free travel to women amid the burdened financial position of the state-run transport company. If it was done to appease wom transport company.l Ifit was done to appease wom- en voters following the precedent set by Tamil en voters following the precedent set by Tamil Nadu, the crisis becomes deeper. These freebie eventually result in dissatisfaction among others. Sekar, email <br> Trekkers' bravery <br> My deepest condolences to the families and friends of the nine precious lives lost to a blizzard while trekking in Uttarkashi. It is heartening to know th senior citizen S Sudhakar survived the nature's fury did a commendable job in rescuing 13 others and

I request the Karnataka government to honour the
bravery of these trekkers.
HS Sopalakishnacharya, Bengaluru

## Football legend

 Sunil Chherti retiring from the national team leavesthe football fraternity with a lot of emotions. Th 3 -year-old maestro's journey has reshaped perceptions of this beautiful game in the nation. Since $h$ is debut, Chhetri has amassed a multitude of acco
lades including records for the most appearance and goals for India. No wonder even Croatia's Luta


## Afghan pride

Afghanistan's remarkable triumph over New Zea-
land in the T20 World Cup is a testament to their rising prowess. Their outstanding net run rate has put them on the cusp of the playoffs. Their story
adds an exciting chapter to the tourament adds an exciting chapter to the tournament, show-

Mohammad Taukir Rahmani, Mumbai

## THE NEW SUNDAY EXPRESS



Senna spectabilis planted with good intentions has become an ecological nightmare, swiftly overtaking large areas of the sanctuary. Its unchecked growth not only threatens biodiversity but also triggers a chain of ecological and economic repercussions, affecting both wildlife and local communities

A
 by insasive specieces Thesed
 lack of natural predators, outcompete native species for vital resources like
food, water, and habitat posing food, water, and habitat, posing a
significant threat to biodiversity and ecosystem stability.
The Wayanad Wildlife Sanctuary Nilgiri) Biosphere Reserve (NBR) Nilgiri Biosphere Reserve (NBR), is a
biodiversity hotspot, brimming with rich variety of flora and fauna. The sanctuary serves as a habitat for a substantial population of Asian elephants, aloong with over 3,700
documented species of plants and documented species of plants and
animals. Spanning an area of 344.44 km the sanctuary is comprised of four
distinct ranges. Sulthan Bather distinct ranges: Sulthan Bathery,
Muthanga, Kurichiat and Thy, Muthanga, Kurichiat, and Tholpetty.
Each range, with its distinct Each range, with its distinct
characteristics, adds to the rich tapest of the WWS, making it a vital and vibrant hub of ecological diversity.
However, this ecological paradise is under severe threat from several invas species, including Senna spectabilis,
Lantana camara, and Acacia species. This is particularly noticeable in the case of aggrespectabilis, which has prolifera beyond, affecting the NBR and the three southern Indian states of Kerala, three southern Indian states of Kerala
Tamil Nadu, and Karnataka.
A decision made in good faith by the A decision made in good faith by the
forest department in 1986 to plant Senn spectabilis, an ornamental tree with
striking yellow flowers, has morphed into striking yellow flowers, has morphed intor
an ecological disaster. Little did one know, that this tropical American tre
had a notorious history of invading had a notorious history of invading
continents, including parts of Asia, Africa, and Australia. By the time th stealthily spread into many parts of the sanctuary. It expanded from covering less than 16 km in 2013-2014 to 89 km in 2019 and now stands at a staggering
123.86 km . Considering the total area 123.86 km . Considering the total area
the sanctuary is 344.44 km , Senna has already engulfed $35 \%$ of it. If this trend is not curbed, the entire sanctuary could be swamped within a decade, turning it into a dense Senna forest.
A 2021 study has revealed that the Asian elephant, a significant inhabitant of the sanctuary, is aiding the spread of the invasive Senna spectabilis. The elephant' dung provides a fertile environment for
the Senna seeds to sprout, with a single pile of dung found to contain


BKP SINHA


ARVIND K JHA
 SINGLE SENNA POD HUNDRED SEEDS AND A MEDIUMSIZED TREE CAN YIELD AT LEAST ONE LAKH SEEDS. THE INVASIVE NATURE OF
THE SENNA SPECIES THE SENNA SPECIES SIGNIFICANT IMPACT ON THE LOCAL ECOSYSTEM. IT HAS DISPLACED NATIVE MONOPLITNBY MONOPOLIZING THE INHIBITING THE GROWTH OF SPECIES LIKE GRASS, BAMBOO AND SEVERAL OTHER MINOR FOREST PRODUCE O
approximately 2000 seeds. The study also and the Indian crested porcupine, contributing to the spread of Senna. The
researchers observed that the fruiting period of Senna trees in the summer coincides with a high concentration of
elephants in Wayanad due to their elephants in Wayanad due to their
seasonal migration. This synchronicity seasonal migration. This synchronicit
could potentially expedite the plant's
dispersal across the landsap particularly in micro-habitats commonly nhabited by elephants.
A single Senna pod harbours over a can yield at least one lakh seeds. The
invasive nature of the Senna species has invasive nature of the Senna species has had a significant impact on the local
ecosystem. It has displaced native ecosystem. It has displaced native
vegetation by monopolizing the area a grass, bamboo and several other minor forest produce.
The Senna tree employs a unique method of colonizing its surroundings. I
releases specific substances, known as allelochemicals, either directly onto the target plants or indirectly into the surrounding soil. These allelochemicals interfere with the normal growth
processes of other plants, providing the processes of other plants, providing the
Senna tree with a competitive advantage. The dominance of the Senna tree has significant implications for the livelihoods of rural and tribal people
who rely on non-timber forest produc like amla or gooseberry, for sustenance. Many edible items like berries,
mushrooms, and wild tubers, which were once a significant part of the tribal diet, are gradually disappearing from th
forest.
The bitter leaves and irritating bark of
Senna do not find favour with herbivores
resulting in a decline in their numbers in resulting in a decline in their numbers in the area. This has had a cascading effect on the region's tiger population, which
has decreased from 120 in 2018 to 84 in 2023. The scarcity of prey in the Sennadominated areas is believed to be driving tigers to migrate in search of richer hunting grounds. Similarly, elephants are moving into areas outside the forests in Unfortunately, this has led to in human-elephant conflicts, resulting in a backlash against the preservation efforts of elephants. The ecological disruption
has had an unexpected benefit for local has had an unexpected benefit for lo
communities. With fewer wildlife incursions, settlements near the jungle damage and cattle lifting in in crop damage and cattle lifting incidents. The
data from the past three years shows a data from the past three years shows a
downward trend in compensation claims

by farmers for crop raids. In the fiscal year 2021-22, there were 734 cases of agrarian hamlets of WWS. This figure grarian hamlets of WWS. This figure
fell to 475 in 2022-23, and in 2023-24, the number has further decreased to just 93 cases. Similarly, cattle lifting cases have also seen a decline, from 83 cases
$2021-22$ to a mere 19 in 2023-24. While the decrease in human-wildlife conflict might be viewed as a positive development by those seeking to address his issue, the underlying causes warrant serious concern. Locals like Mr. Stanley
Augustine, a member of the Biodiversity Augustine, a member of the Biodiversity
Management Committee of Poothadi village, find these changes deeply troubling, particularly from the standpoint of the rural economy. The
area is witnessing a worrying decline in area is witnessing a worrying decline
agricultural productivity and an increasing trend of farmers abandoning their paddy fields. The forests too are under mounting pressure. The real challenge, therefore, lies in reestablishing equilibrium in the WWS
while simultaneously securing the future of the human communities in the area. In response to these challenges, the
Forest Department has launched an Forest Department has launched an Eradication and Forest Regeneration

Project. The project, supported by the
National Bank for Agriculture and Rural
Development, has a budget of Rs 5.31 crore. The initiative is currently being rore. The initiative is currently being
mplemented in the Kurichiat and Muthanga forest ranges, to eradicate senna from 1,672 hectares. To further support this initiative, the sanctuary withorities are exploring partnersh inspiration from Tamil Nadu. The state government there has allowed the Tamil Nadu Newsprint and Papers Ltd (TNPL) Senna for paper production. In return, TNPL compensates the Forest
Department and employs various
extraction techniques, attempting to turn an ecological challenge into an opportunity for resource utilization.
In some areas, invasive plants, including Senna, are being repurposed to
manufacture furniture. Senna, $i n$
particular, is valued as a timber source for making lightweight furniture and
other wooden products. There is hope that policy changes could permit the extraction of Senna from forest areas and its subsequent sale outside. Such changes could potentially motivate the local community to actively participate in
clearing the forest of this invasive plant.

The process of removing the Senna tre however, is fraught with challenges. girdling, and herbicide application for eliminating Senna from the area are labour-intensive, costly, and
environmentally damaging. Uprootin environmentally damaging. Uprooting
large Senna trees could disturb the soil, leading to erosion, especially in hilly areas that receive high rainfall. Techniques like girdling and felling caa Moreover, the use of herbicides may ontaminate water sources and Additionally, the resilience of the Senna ree is evident in its ability to regenerate from lateral roots, which complicates its clear that innovative and sustainable strategies are needed to manage and ultimately remove the Senna specie while simultaneously assisting the re
stablishment of local species.
measures must be holistic, encompassing not only the immediate environs of the sanctuary but also the larger watersh rivers. This holistic approach is particularly significant for Wayanad, the his of the Kabini River. The hee the this river is essential for sustaining the
lives and livelihoods of communities across Kerala, Karnataka, and Tamil Nadu. Notably, initiatives are in progress
to increase the flow of the Kabini Rivera major tributary of the Kaveri River-to address the issue of water scarcity in The situation in Wayanad is a stark The situation in Wayanad is a stark
reminder of the domino effect triggered y the introduction of invasive species. The ecological and economic ramifications are far-reaching, impacting not just the wildlife within the sanctuary communities dwelling in its vicinity and beyond. The fight to save Wayanad is a race against time. If immediate and decisive action is not taken, the future of
this biodiversity hotspot and the wellbeing of the millions who depend on ang in the balance. Wayanad's plight prioritize rigorous scientific evaluation before ind to act swiftly and collaboratively in the face of ecological threats posed by nvasive species.

# aperida 



Sharjah creates a 'la African Safari' in the Desert and its commitment to nature shines at Al Noor Island, writes GYANESHWAR DAYAL

ustainability and fostering a deep

## A 'LA AFRICAN SAFAR

 IN THE DESERT backdrop of the Arabi, set against the testament to the emirate's vision of xperiences. This ambitious project Arcreates he diverse ecosystems ofAfrica, providing a sanctuary for a wide
range of species in an environment that mirrors their natural habitats. The Arrican Safari in Sharjah is not just tourist attraction; it is a conservation

Bookmark these boutique destinations for a summer getaway


GAJRAJ RAO, the Newgen method actor, redefines the cinematic experience by performing even non-descript roles with élan. This journey explores the nuances of his method acting, writes GYANESHWAR DAYAL

## THE METHOD HIS

G
ajraj Rao, a name that $\int_{\text {and a deep understanding of }}^{\text {resonates with athentich }}$ character portrayal, has carved a
niche for himself in the Indian film niche for himself in the Indian film
industry through a blend of meticulous method acting and a rich repertoire of roles. Rao's journey from the sidelines to the spotlig perseverance, and exceptional talent Gajraj Rao's foray into acting was marked by a series of small but
significant roles that gradually built significant roles that gradually built
his reputation as a reliable character actor. Born in Dungarpur, actor. Born in Dungarpur,
Rajasthan, Raoos initial years in the
industry were filled with struggles industry were filled with struggles and uncredited roles. His career began in the late 1990 s , with
roles in films and television. However, his ability to imbue ever
the smallest roles with depth and the smallest roles with depth and realism did not go unnoticed.Raos
breakthrough came with the 2018 breakthrough came with the 2018
film Badhaai Ho, where he played Jeetender Kaushik, a middle-aged man who discovers his wife's unexpected pregnancy. The film's
success catapulted Rao into the limelight, earning him critical acclaim and several awards. His portrayal of Jeetender Kaushik was
lauded for its warmth, subtlety and humor, marking a significant shift in the perception of middle-aged Characters in Indian cinema. What sets Gajraj Rao apart is his
approach to method acting. Rao's approach to method acting. Raos
dedication to his craft involves deep immersion into his characters. He
often spends extensive time often spends extensive time
understanding the background understanding the background,
motivations, and nuances of the roles he portrays. This approach allows him to deliver performances
that are both authentic and relatable. Method acting, a technique and later popularized by Le
Strasberg, emphasizes the Strasberg, emphasizes the
psychological and emotional aspects
of character development. Raos use
of this technique involves drawing from his own experiences and His preparation often includes detailed research, observing people
with similar backgrounds to his with similar backgrounds to his
characters, and even adopting their mannerisms and speech patterns. Rao's impact on modern Indian cinema extends beyond his performances. He represents a shift
towards more realistic and nuanced storytelling in Bollywood. Films like Shubh Mangal Zyada Saavdhan and
Lootcase further showcase his Lootcase further showcase his
versatility, moving away from stereotypical depictions to more layered and authentic characters. In contemporary cinema, method
actors like Gairaj Rao are redefining actors like Gajraj Rao are redefining
the narrative. They are moving away from the star-centric approach to one that values story and character
depth. This trend is visible in the depth. This trend is visible in the
rise of content-driven films and we series that focus on everyday stories and real-life issues. And the time is
ripe for such experiments ripe for such experiments. "Twenty Nawazuddin Siddiqui and many others could not imagine of getting significant role. Hindi cinema is
more democratic and character
driven and gives chance to everyone," says Rao. increasingly collaborating with
directors and writers to develo directors and writers to develop
well-rounded characters. They ar involved in the creative process fro ne early stages, contributing to cript development and character arcs. This collaborative approach
results in performances that are not ust believable but also deeply engaging.
While method acting is rewarding, is also challenging. The emotional
toll of deeply immersing oneself in character can be significant. For Rao, balancing the intense preparation required for his roles
with his personal life is a constant hallenge. However, his passion fo acting and his commitment to his raft continue to drive him forwa I have theatre background where
cript is very important which all us cherish. Then we prepare for the role meticulously. What viewers see on the screen is culmination of that preparation,"
Looking ahead, eems poised for further success. With the increasing popularitys of
OTT platforms and a growing

WHAT SETS GAJRAJ RAO APART IS HIS APPROACH TO METHOD ACTING. RAO'S dEDICATION TO HIS CRAFT INVOLVES DEEP IMMERSION INTO HIS CHARACTERS. HE OFTEN SPENDS EXTENSIVE TIME UNDERSTANDING THE BACKGROUND, MOTIVATIONS, AND NUANCES OF THE ROLES HE PORTRAYS. THIS APPROACH ALLOWS HIM TO DELIVER PERFORMANCES THAT ARE BOTH AUTHENTIC AND RELATABLE
audience for nuanced audience for nuanced
storytelling, actors like Rao
are likely to find even more are inely
opportunities to showcase their talent. His upcomi
projects are eagerly projects are eagerly
awaited by fans and critics
alike wh awaited by fans and critics
alike, who expect nothing
short of brilliance from short of brilliance from
this seasoned this seasoned actor.
Gajraj Rao's journey as an actor is an inspiring tale of perseverance, talent, and the
power of method acting. His contributions to Indian cinem have paved the way for more realistic and relatable storytelling. As he continues to
explore new horizons, explore new horizons, Rao
remains a beacon of reuthenticity and excellence the world of acting, embodying the transformative power of
method acting in modern method ac
cinema.
In the film Maidaan, Gairaj Rao excels in his role by bringing a
nuanced depts and nuanced depth and authenticity
that enhances the movie's that enhances the movies
historical and emotional listoricala. The film, directed
Amit Ravindernath Amit Ravindernath, Sharma,
chronicles the golden chronicles the golden era of Ind
football from 1952 to 1962 football from 1952 to 1962,
focusing on the life of Syed Rahim, the coach who led the Indian team to remarkable
victories. Rao portrays a victories. Rao portrays a
pivotal character whose
support and conflict with the protagonist add layers to the narrative,
showcasing his ability to historical setting while delivering a performance that is both compellin and resonant. His meticulous
approach to embodying his approach to embodying his
character contributes significantly the film's overall impact, making
Maidaan a captivating tribute to a Maidaan a captivating tribute to a
lesser-known yet glorious chapter lesser-known yet glori
Indian sports history.

## Reflections on Acting, Challenges and Audience Influence

MAHESH THAKUR shares insights into his illustrious acting career, spanning television and cinema. From memorable roles to industry evolution, he reflects on the challenges and successes that have shaped him as an artist. In a conversation with SAKSHI PRIYA, he also opens up about his recent show Aangan Aapno Kaa, shedding light on his experience playing a father's role in this heartwarming project

do much homework. My basic
approach in the initial days whe
I worked I worked on any television
character, which is character, which is very different
from the rest, is to do a lot o reading. I read one to six
episodes, and once I am done with reading, I try to get into the character and experiment with
different my own space. I try taking pauses when delivering
dialogues and ensure that I dont repeat certain expressions. In
Ishqbaaz, my character was so negative that I didn't want my
kids to watch it, as they were very young at that time.

What have been some of the biggest challenges and successes in your acting caree
and how have they shaped you as an artist? One of the biggest challenges in my acting career was
transitioning to television. When I started doing daily soaps, realised that you put in just as much hard work as you do in
films but its for After that, it's gone and often forgotten. As actors, we used to
be very particular fantastic shot, striving for perfection. However, in
television, you don't have much time. You get only a few minutes and maybe 4 to 5 takes to get the shot right. No matter how
perfect a shot I gave there wa perfect a shot I gave, there was
always room for improvement, but in television, it often goes
unnoticed because it airs only once and then it's long gone. This was a learning experience for me,
helping me understand that, at helping me understand that, at
the end of the day, actors are product of the writing and
internet. Everyone to the internet. Everyone now has
access to all sorts of content. So, ascess content creator, you have to
keep everyone in mind, not just single type of audience.
Looking back on your time specific scene or moment from
filming Malini Iyer that stands filming Malini Iyer that stands
out in your memory? out in your memorys
Sridevi Ma'am was
Striday be a legend because she
alwas
was one of was one of the first heroines
where movies were made if she where movies were made if she


Chandni, Lamhe, and all these especially my daughter, with beautiful films she was a part of. No matter how much I say about
her or praise her, it will always be

Recently, you are working on a project, Aangan Aapno Kaa. How has your experience been playing the father's role in this am pla
lad, and it's great. As I said, you have very gool tors, and
fantastic team of women
volved, from of women
the producer?
Dil, Dosti Dilem Dil, Dosti Dilemma was great fun
because we had a fantastic team filled with women, from the director to the producer. It was
nice seeing all the women nice seeing all the women
coming into action and working coming into action and working my time in Dil, Dosti Dilemma, and it was shot beautifully. The
story was one of the simplest out story was one of the simplest out
there on the streaming platform. You can watch it and have a great time with your loved ones. It was an extremely sweet story, and I
just loved working on the

How do you approach acting in different mediums like films, television and web series? Do
you have a preference among these mediums?
An actor is always an actor; they
should not choose any medium The only difference between TV and film is not that much. The major difference between working in front of the camera
and on stage is significant. When and on go on stage, there is a
you
difference in working in front of the camera. In front of the
camera, you have to take care of lights, know which dialogue to
say and when and work with the say and when and work with the
cameraman, co-actors and director, so there are lots of
things happening in one shot. It's things happening in one shot. It's
pretty complicated for a person who starts straight in TV and film because lots are happening on sets. When you do a stage, it's all about you. You forget your
line, yourre supposed to carry on; you are not supposed to stand blank on the stage because you you So that's monce wathing
because it's all about dialogue delivery, trying to work on body
language, so much is hapening anguage, so much is happening
on stage that it's more of a challenge rather than working in the medium of TV and film.
Acting on TV and film is also Acting on TV and film is also
challenging but challenging as the stage. Also, if you're good on stage, it doesn't
mean you can be good in front of mean you can be good in front of
the TV and camera because you have to control your expression
and not go too loud because TV is a subtle medium. One thing I
learned about the theatre is th learned about the theatre is that
in theatre, you have to in onounce your words; you
pronnon speak loudly. The last
canot person sitting on the back bench to listen to you. It's not about
raising your voice it's literally raising your voice; it's literally
pronunciation which goes right up to the end.
Many actors look up to your would you give to someone just
starting starting out in television
acting? acting?
To all the there. Hanging in doesn't mean
then in
losing your pation losing your patience, balance or
giving up. This is one of the most difficult professions you could choose. If you have multiple
choices, I would say let acting be the last one you go for. But if you
are going for it, then be resilient are going for it, then be resilient.
You have to be there because you never know when the right break
will happen for you and when things will start working in your
favor Dont give up If favor. Don't give up. If you are an
actor, you should think about it as always being an actor;
otherwise, you will never get anywhere. So, choose ge

## The Sunday Tribune SPECTRUM

## REFLECTIONS

## Real hero of the verdict

 ABIR, the popular folk poet, will always remain the original wise
man of Benaras. He wrote thousands of couplets (dohas) that are schoolchildren, though quickly forgotten. However, they have an uncanny ability burrow themselves in one's brain and rise unbidden to open a window of wisdom at odd
moments. The doha that has haunted me moments. The doha that has haunted me
after the June 4 poll verdict is: Durbal ko na after the June 4 pol verdict is: 'Durbal ko na
satayiye, jaaki moti haai'. Roughly translated, it means, don't torture the weak for he learnt from this doha, then all political parties had better heed them. This election was a stunning revelation of the pain and misery the hapless poor of this country have suffered in the last few years. The triumphant
slogans of the ruling parties about the boom ing economy, India's rising worth worldwide and how many millions have been lifted out
of poverty -all these meant nothing to those who were doomed to subsist on dole, charity and State neglect.
Why blame the ruling government alone?
Are we, the well-fed, the smugmiddle ing in comfortable condos with middle class live ing in comfortable condos with uninterrupted
power and water supply, any less guilty? We are suffering, but have even a small number among us ever lifted a finger to alleviate their misery? I know of neighbours who deduct come for work. Remember the Shylock speech from 'The Merchant of VVenice' where he asks whether Jews are any different from the
rest of Venetians - If you cut us do we not bleed"'he asks the Rialto's smugburghers. Do

## these workers not have days when they are unwell or have an urgent task to attend to at

 home? But no, 'these people are shirkers' is theresponse mostemployers have. The othering of 'these people' will come one day to bite is all $I$ can predict.concerns me most deeply. When we left tit in 1990 , it was just emerging from a frightening
decade of separatism, terrorism and scoial decade of separatism, terrorism and social
turmoil. It took years of work and political

Overlooked, despised and dismissed as foolish and illiterate, the aam aadmi has more wisdom in his litte finger than all those psephologists and reporters
compromises to bring it to a level of normalcy that it enjoyed for a brief while. However, ments threaten to take it back to those grim days when religious fundamentalism, agricultural backsliding and a comatose industry Add to this its fragile politital atmosphere and you have a state that may erupt into tion of politicians-Badal Senior, Amarinder Singh, who wielded political power by turns who understood - bureaucrats and ctizens left it despite the challenges they often faced -sadly, all have vanished. Rampant corrupdrug dealers from as far away as Afghanistan
and Canada have filled that vacuum.
Everyone talks of their rights but le Everyone talks of their rights but lead me to
the person who points out our duties. Rights the person who points out our duties. Rights izens themselves step in and help those who need help, we will always be dissatisfied with the State. Perhaps it is the eternal legacy of colonialism that we do not regard our land as our own. We waitfor the sarkar(an amorphous
concept) to resolve problems because they have the power. In truth, as the recent election results show, we the people have the power but
we don't know it. Once in five years, we let the incumbent govemment know it has failed us, but weelect instead the same set of rogues.
I maynot be around five years later to see or comment on the next General Election, but
what I have learnt from this one disturbs me deeply. Those of you who pride themselves on their Pontrol of your fate. Finally a salute to the mon Indian, who is really dict. Overlooked, despised and dismissed as foolish and illiterate, he has more wisdom in his little finger than all those psephologists
who only crunched numbers, and those who only crunched numbers, and those
reporters who thought they had the elections reporters who thought they had the elections
on their plate as they ate and chatted with cition their plate as they ate and chatted with citi-
zens who spoke fluent English or Hindi. They picked their way, hanky to nose, through the overflowing gutters and filth of a tiny village before, and who held the mike in a death grip to curse the netas whonever bothered to come
their way. Broken, rutted village roads, unemtheir way. Broken, rutted village roads, unem-
ployed youth sitting idly mak ing reels, women ployed youth sitting idly yak ing reels, women
working in a brick -kiln in the gruelling heat of working in a brick-kiln in the gruelling heat of
the afternoon were brushed aside even as paeans of praise were read out on the shining the sleek neta who basked in his huge bungalow, smug in the belief that 'Modi ki guarantee' will bail him out once again.
Aswe now enter an era when the Opposition benches will be as strong as the ruling coali-
tion, let us hope they use Parliament asit was meant to be. A placetouphold the rights of the common Indian.

## As Beas Dam completes 50 years

al Officer in 1969 and after almost 33 years,
joined the project as Chief Engineer. Those days are still fresh in memory. A concrete spillway had been provided on
the left side of the dam. During the excavation, a swarm of fearful reptiles was encountered They would come out inlarge numbers
and attack the dozer and its operator The and attack the dozer and its operator. The was considered inhuman. We sought the Babaii' He advised to build a 'Shivij' temple. A makeshift temple was built. Atter a few days, work was resumed after a slight adjust ment in alignment of the structure. A fuil fledged temple was constructed later at a hillock as an observatory for spillway ope tions. The temple remains a vibrant site. affected the construction schedule of the dam as allocation of funds was slashed In 1971 a struction was in full swing but Army officers insisted on taking away some equipment to strengthen theirwarstrategy. They loaded dozers and allied machineson their trailers andleft for the borders, saying, 'Frist war, later wall'.
The financial crunch and import restricThe financial crunch and import restany equipment and machine innovations we equipment and machine innovations
achieved by technicians and engineers. During 1974.75, the dam work was nearing completion and the retrenchment of surplus
labourers was on cards. Work on the Thein (Ranjit Sagar) Dam couldn'tstart due to lack
of funds. This generated a fear of unemplo
ment. There were protests and some labou ers even devised ways to slow some labourwas then that many skilled workers and trained operators were sent by the governregions. Similarly, some engineers were deputed as experts to foreign locations. Also unforgettable is a down-to earth senior officer, humble and disciplined to the core. He
would always stand in a queue in any public place. He would never jump the queue even if requested. One day, he went to a Junior Engineer''s house disguised as a helper and told his
family that he was sent by 'Sir'. He obeyed all orders of 'Bibiji' 'throughout the day, be it sweeping, watering theplants or bringing their children from school. He had brought his own tiffin and declined all hospitality of the family.
At 4 pm , he told 'Bibiji' that his duty was At 4 pm, he told 'Bibyjt that his duty was
over. While leaving, he took all the pilfered items - hose pipe, buckets, table and chairs - and got these deposited in the government store as lost and found. Word spre Then therewas a Chief Engineerwhowas surprised to find that he was not the only "Chief'. The Chief Frre Officer, the Chief Purchase O cer-they were addressed as Chief too.
The swadeshi Beas Dam - planne designed and constructed by Indian workers and engineers - has completed 50 years of
life. It's a moderntemple of a resurgent India inservice of mankind.


# The silent sentinels of mountain landscape 

tic livestock leaves less food for wild herbivores, leading to a decline in thei for snow leopards. This brings them human settlements in search of live stock as prey, resulting in retaliatory
killings by villagers. Wild sheep an kilings by villagers. Wild sheep and
goat are also susceptible to poaching another reason for a decline in snow leopard populations. Protecting snow leopards requires protec ing their habitat, where human for centuries, many of them nomadi and pastoral settlements. These con munities are the lastbastions of uniqu traditional knowledge and cultural sy tems, finding ingenious ways to surviv the harsh conditions. Such commun ties, and their way of living in harmony as the snow leopards themselves One of the major challenges is track ing the movement of snow leopards

The food chain snow leopards manage helps maintain a complex network of wetlands \& meadows
and the knowledge of local communi ties becomes extremely useful. In Uttarakhand, the government has conducting snow leopard population census. In Sikkim, community volunteers frequently patrol forests to dis courage poaching.
Providing alternative livelihoods to communities can reduce their dependency on snow leopard habitats for natutries like community, handlooms and food processing are providing a stable source of income for villagers. This reduces the need for them to increase the size of their livestock and allows for regeneration of pasturelands for wild herbivores. Infra-red alarm sensors are reducing instances of snow leopards wandering innovation like wire meshes to cove corrals or sheep pens is reducing dam age to livestock if they enter villages. It is bright and sunny in Tarchit, a vil lage in Rong valley in Ladakh, which is beingdevelopedas awinter tounism des tination for pecple to come and spo snow leopards when they descend lower altitudes during the colde
months. For villagers in Tarchit thousands of people living in the high altitude Himalayas, the snow leopard a beaconof hqpe forasustainablefuture

- The writer is a cimate exper


## Patronise only those buildings that are fire safe

0
CONSUMER RICHIS PUSHPA GIRIMAII

THE Gujarat High Court's recent outburst over the state government's failure to follow
its earlier orders on fire audits its earlier orders on fire audits
and fire prevention reflects the collective anger and frustration felt by citisafety in public buildings around the country. The series of devastating fires that took
a heavy toll last month has, in fact, brought a heavy toll last month has, in fact, brought into question the state administrations' ability to enforce fire safety laws and proect consumers.


#### Abstract

because the administration allowed it to make money at the cost of consumers' safe- ty, or the private neonatal care hospital in ty, or the private neonatal care hospital in Delhi, that fleeced even the poorest of the poor, no one paid attention to their safety What is apparent is the complete disregard for fire safety laws by those who are supposed to comply and those who are sup- posed to enforce them. The victims are, of course, the consumers of these services. In a desperate bid to rectify such enforce ment failures, consumers often seek judicial intervention or sometimes, the court itself takes up thematter suo motu, as the Gujarat High Court did following the gaming centre tragedy. Whatreally irked the court was that tragedy. Whatreally irked the court was that in response to PIL filed in 2020 following a series of hospital fires in the state, it had giv- en detailed directions on ensuring fire pre vention and protection of life and property. Yet, the Rajkot civic authorities had ignored the court's directions and allowed theamusementcentre to function and flour- 

Tail


 ish without a fire safethad in 2009 directed all states and UTs to ensure that all schools strictly complied with
the National Building Code of India, partic ularly Part IV - Fire \& Life Safety, and the Code of Practice of Fre Safety in EducationIndian Intions, formuated by being filed in state high courts to ensure compliance with the apex court's order Now, in the aftermath of the deadly fire at the Baby Care Newborn Hospital in East Delhi, that robbed six couples of their
babies, the Delhi High Court has taken up babies, the Delhi High Court has taken up
two petitions seeking directions to the government to conduct regular, comprehensive nursing homes and ensure that they have adequate facilities for fire prevention, life safety and fire protection measures. There
were as many as 340 nursing homes with expired registration, a petition said One can imagine the quality of registration from the fact that the neonatal hospital
exit, nor any provision for safe storage of
highly combustible oxygen cylinders! highly combustible oxygen cylinders! Since corruption in the enforcement
process and administrativeapathy are the major hurdles to fire are the major hurdles to fire safety, con-
sumerscicitizensmustdemandtransparency and accountability in the enforcemen process shrough Citizens' Monitoring Committees that would regularly evaluate and assess the implementation of the law. In addition, it should become mandatory for
every district administration to publish on their websites the complete list of public buildings in their area and whether they do not have fire clearance or do not renew their certificate should be shut down.
It should also becocme mandatory forever publiccommercialbuilding todisplay promi-
nently at the entrance, the fire safety certifi cate and the fire exits. This way, consumer can patronise only those buildings that are fire safe. Residents' associations would also
dowell tocheck on schools, hospitals, ants, malls, etc in their rea for fres sfety


[^0]:    However, in the 2004 polls,
    Naidu lost power to the Naidu lost power to the Congress party. Th
    criticisms that his high-tech governance
    overlooked the economic overlooked the economic
    conditions in the rural areas

[^1]:    The godfathers of climate chaos-the fossil fuel industry-rake in record profits and feast off trillions in taxpayer-funded subsidis.

