

Walking a tightrope

Is a low-inflation, low-growth environment the new normal?



B PRASANNA

Globally, policy circles are now debating the reducing efficacy of unconventional monetary policies being used by global central banks to support growth and the need for other levers, including counter-cyclical fiscal policies. The rise in such activism is on account of the

fact that these unconventional policies have not been able to generate inflation despite very low rates across the yield curve, often moving to negative territory. This limits the space of monetary policy to deal with a future slowdown.

Proponents of counter-cyclical fiscal policies advocate putting money into the hands of those who would spend it, thus improving aggregate demand and in turn leading to improved inflationary impulses, through tools like tax cuts. However, any such policy needs to be implemented within the contours of maintaining central bank independence without relying on excessive debt monetisation, through close coordination with the central bank and a well-defined exit strategy when inflation

returns to medium-term trend levels. Moreover, one needs to understand that reliance on fiscal policy would possibly offset to some extent the work done by monetary policy in lowering interest rates. Rates could rise as expansionary fiscal policies could lead to reducing the global savings glut along with an increased risk perception of government bonds, which could lead to an outflow of funds from debt instruments.

Another school of thought gaining ground is the approach supported by modern monetary theorists (MMT), which radicalises policy making by transferring the burden of economic stabilisation to fiscal policy alone. This could be done by reducing the role of monetary policy to fund the government through debt

monetisation with taxation taking a secondary role. While quantitative easing (QE) in part does defer to debt monetisation, it is only temporary as the QE debt is not rolled over but needs to be repaid by the government on maturity. In contrast, the MMTs propose rolling the debt in perpetuity to a point where markets move beyond the liquidity trap (an environment of low interest rates and high savings rate). Proponents of modern monetary theory would theorise this to be non-inflationary under the premise that governments would roll back this "helicopter money" as economies reach full potential by increasing taxes. In practice, however, this could be misleading as governments might not have the ability or the political willingness

to retract, eventually leading to the unintended consequences of overheating of the economy.

Other tools to improve inflation and inflationary expectations include raising the inflation target, price level targeting or through raising the average inflation targeting. These policies, if considered credible, could eventually lead to an increase in inflation levels, providing more ammunition to central banks during downturns. However, these policies might lead to increased costs through higher inflation, increased transaction costs and redistribution of wealth from holders of cash (mostly the poor) which cannot be ignored.

These discussions lead us to think that the policy prescription for this low-inflation, low-

growth environment might be more esoteric than one would like to believe. However, one might need to step back and assess the need or the urgency to move out of this milieu. Neutral rates have come down on account of changing demographics, technology and globalisation. These are structural changes that could be considered outside the purview of influence of monetary policy. One could argue that the low-inflation, low-growth environment is the new normal and any attempts to distort this could lead to unhealthy pressures on credit and asset price increases. Moreover, should we concentrate on growth rates, when in most of the developed world, metrics of per capita income levels and social and human development indicators are robust? The jury is still out there, in our view.

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CHINESE WHISPERS

No to Congress and NCP



The Vanchit Bahujan Aghadi (VBA), which had queered the pitch for some candidates of the Congress and the Nationalist

Congress Party (NCP) in the Lok Sabha polls in Maharashtra, on Monday ruled out an alliance with these parties for the Assembly elections scheduled for next month. VBA leader Prakash Ambedkar (pictured) said his party, the Bharipa Bahujan Mahasangh (BBM), was open to a seat-sharing dialogue with the All India Majlis-e-Ittehad-ul-Muslimeen, the estranged ally with which it had contested the Lok Sabha polls. Talks between the AIMM and the VBA had hit a roadblock recently over seat sharing. Ambedkar said the VBA would contest all the 288 seats in the state, and that the names of the candidates and the alliance partners would be declared before September 26. The BBM chief said he had offered 144 seats to the Congress for next month's polls but it did not respond to the offer. "They were calling the VBA the B-team of the Bharatiya Janata Party (BJP). But they (Congress) were dealing with the BJP to get relief from government agencies probing cases," Ambedkar alleged.

Hard bargaining

Five of Bihar's 243 Assembly seats will have bye-election on October 21. The grand alliance, comprising the Rashtriya Janata Dal, the Congress, and others, is yet to decide seat allotment for the Assembly seats and the Samastipur Lok Sabha constituency. Hindustani Awam Morcha (HAM) President Jitan Ram Manjhi, a constituent of the grand alliance, on Monday said, come what may, his party would contest the Nathnagar Vidhan Sabha seat in Bhagalpur. Manjhi had recently threatened to pull out of the five-party grand alliance. The Bhagalpur seat had fallen vacant after sitting Janata Dal (United) MLA Ajay Mandal's election to the Lok Sabha. Manjhi's latest outburst comes less than two months after he had accused the grand alliance of having underestimated his party and threatened to go it alone in the Assembly polls next year.

Congress talent hunt in UP

Facing a leadership crisis in Uttar Pradesh, the Congress party held a "Talent Hunt" to identify a new team for the state minority cell. The day-long exercise, held at the UP Congress Committee headquarters in Lucknow, saw the participation of nearly 600 aspirants from 40 eastern and central districts of UP. The exercise was started at the behest of the All India Congress Committee general secretary in charge of eastern UP, Priyanka Gandhi. Congress sources said a similar "Talent Hunt" was being planned for the western districts of UP as well.

Underestimates & overreactions

Why the impact of the corporation tax cut may not be as substantial on the fisc or on India Inc

A K BHATTACHARYA

The big question that has arisen after Finance Minister Nirmala Sitharaman's corporation tax rate cut decision last Friday is what its actual impact would be on the government's fiscal situation. On Friday, Sitharaman said the measures (see table) would result in forgone revenues worth ₹1.45 trillion.

This was a huge amount — almost 19 per cent of the total corporation tax the government was to collect during the current year. This would have also meant a widening of the fiscal deficit by about 0.7 per cent of gross domestic product (GDP). In other words, the government's fiscal deficit would have increased from the budgeted 3.3 per cent of GDP to 4 per cent.

But on Sunday, Sitharaman told media people that she was expecting improved compliance after the tax cut and that would help her stick to the fiscal deficit target. She also said she had no plans to cut government expenditure either.

What has given Sitharaman the confidence to claim that there would be no fiscal slippage or expenditure squeeze?

If you dig a little deeper into the manner in which the finance minister has changed the corporation tax rates, you may get a sense of what lies behind her confidence. She is banking on many tax-paying companies giving up their tax exemptions and incentives and opting for the new lower tax rate of 25 per cent. Remember that the lower tax rate of 25 per cent can be enjoyed only by those who give up the existing tax exemptions and incentives. And once

you give them up, there is no way you can return to the earlier regime of enjoying those exemptions!

How much did the government give up by way of revenues on account of these exemptions and incentives? In 2018-19, revenues worth ₹1.08 trillion were forgone by the government owing to as many as 28 different types of tax exemptions and incentives. These are exemptions and incentives for exports, accelerated depreciation, setting up of units in special economic zones and investments in specific states. Over 80 per cent of the revenues forgone by the government are on account of export benefits and accelerated depreciation.

Hypothetically, therefore, if all companies opt for the 25 per cent tax rate and give up their exemptions, the government stands to save an amount equivalent to ₹1.08 trillion. This is the actual amount of revenues forgone in 2018-19 on account of these exemptions; there is no estimate yet of how much revenue would

be forgone on this account in the current year. It is possible that the entire tax amount forgone on such incentives will not be saved — because some companies may prefer to continue with these exemptions — but certainly, a large portion of the savings will not be required to be spent. So a part of the revenues forgone by Sitharaman's decision to reduce the corporation tax rate would be made good.

Remember that the effective tax rate for Indian companies (the actual incidence of taxes on companies after



Sitharaman has said she is expecting improved compliance after the tax cut and that it would help her stick to the fiscal deficit target

THE MATH BEHIND THE TAX CUTS AND REVENUE LOSS

The cause	The effect			
	Old rate	New rate		
Corporation tax rate	35	25*		
New manufacturing firms**	29	17		
Minimum Alternate Tax	22	17		
			FM's estimate of forgone revenue, 2019-20	Notional savings on revenue foregone on exemptions and incentives, 2018-19
			₹1.45 trillion	₹1.08 trillion
			Impact on fiscal deficit 0.7 % of GDP	Savings impact 0.5 % of GDP
			Net impact of tax giveaway 0.2 % of GDP#	

**Set up after October 1, 2019 and manufacturing before March 2023

*On the condition that companies give up tax holidays and exemptions

Tax rates in per cent inclusive of 10% surcharge and 4% cess

GDP estimates for 2019-20: ₹21 trillion

#Based on the assumption that govt saves the entire expenditure on tax exemptions

taking into account the benefits from tax exemptions) was about 29 per cent in 2018-19, compared to the actual tax rate of 35 per cent. Thus in the aggregate, the net tax benefit for India Inc would be four percentage points (down from the effective rate of 29 per cent to the new rate of 25 per cent).

ON THE JOB

Understanding the concept of employment



MAHESH VYAS

I have always found the official definition of employment to be extraordinarily lax. A person is considered to be employed if she has been employed for at least one hour during a week. The person could be desperately looking for a real job during the rest of the week but the one hour she worked supersedes.

This is a global norm, a recommendation of the International Labour Organization. India follows this global practice.

But, how can a person who has worked merely for an hour in a week be considered as an employed person?

In India, where the unorganised sector dominates and where people are engaged in work largely informally, a large proportion of people can get classified as employed even if they do not consider themselves to be employed in any sense of the term.

Imagine the household of a typical tea vendor. He sets up shop on the street and negotiates deals with the formal and informal enforcement agencies to allow him to do business. He organises raw materials and fuel, sets up the stove to brew the sugarshot, runs the production operations, solicits customers and is the sales man-

er-cum-accountant. He spends a good 12 hour a day of hard work for six days of the week to earn a living and to ensure he does not lose his spot on the street to a potential competitor.

On the seventh day he replenishes stocks and cleans. On this day, his wife helps in the cleaning of the cloth used as the sieve in the operations, gives a wash to the equipment and refills stocks. If she spends an hour or more on that day on these activities and for the rest of week is fully occupied only taking care of the house, she is still considered to be employed.

If a surveyor asked the wife whether she was employed, her answer would be in the negative. And, it would be an honest answer. But, the official statistical machinery would dig deeper and discover that the wife should also be considered as employed.

We believe that this stretches the common-sense understanding of the term employment.

The tea vendor's household is not a rare phenomenon in a place like India. If the Ola cabbie's brother who is still trying to find a job gives his brother's car a good wash every weekend, he could be classified as an employed person. If the village grocer's daughter who is still studying spends an hour a week tallying stocks she could be considered employed. If the milkman's wife washes the milk cans she could be classified as employed.

By classifying these occasional stints at work as employment, we could be overestimating the number of really employed people in the country. All of them did work but, it is debatable that all of them are employed.

It is easy to classify the salaried classes as employed. For the non-salaried classes, perhaps, it makes sense to classify a person as employed only if she has worked adequately to

make her feel that she is indeed employed. I guess such a feeling would emerge only if a person works sufficiently to contribute meaningfully to the economic well-being of the family. It is this feeling that should be central to counting a person as employed.

We need not be judgemental about the minimum number of hours a person should work to be considered employed.

If a modern-day gig worker feels that a couple of hours of work a day is sufficient to feel employed, so be it. If another one feels its important to work six or even eight hours to feel employed, who are we to lower the bar?

There could be differences in perceptions of employment across gender, age, education and most of all, need. Culture and evolution can shape perceptions regarding employment. These differences offer a rich insight into the nature of employment. Incorporating these into the definition of employment is a challenge worth picking up. To leave the definition at a ridiculously low level is to mock the importance of real meaningful employment and abandon the diversity in its interpretation.

CMIE's Consumer Pyramids Household Survey gives importance to the perception of the respondent regarding employment/unemployment status. Beginning September 1, 2019, it has also started capturing two additional pieces of information. First, it would distinguish between work and employment. And second, it seeks to capture the utilisation of time. These two additional pieces of information along with the perceptions-based responses on employment could help us unravel the nature of the perception of employment.

The author is the MD & CEO of CMIE

LETTERS

Baseless criticism



This refers to "Impetus to Make in India, claims PM; Oppn says it's timed for US visit" (September 21). The government's decision to slash the corporate tax rate has come in for wide praise from various quarters. However, the Opposition has not been generous to the government and believes that the decision has been timed for the US visit of the Prime Minister. A few things need to be appreciated in this regard. Slashing of corporate tax has not come all too sudden. There has been gradual reduction over the years and this big slash would not have come now had there been no slowdown.

So, the current economic slowdown has prompted the government to go in for this huge cut in corporate tax rate now. Also, the rate cut is aimed at luring foreign companies that are winding up their facilities in China as a result of US-China trade war, to set up manufacturing facilities in India. Clearly, the decision to cut the corporate tax rate could not have been postponed till the next Budget as delaying it any further would not have been useful in arresting the slowdown or attracting foreign firms to set up their facilities in India. The Opposition is well within its rights to criticise the government but the criticism needs to be based on sound rationale and it should not lack conviction.

Sanjeev Kumar Singh Jabalpur

More NPAs?

This refers to the editorial "Phone banking, again" (September 23). I agree with the views expressed in the editorial. Pushing up and encouraging lending to small businesses and retail borrowers by holding loan *melas* is not a wise move. The public sector banks (PSBs) have barely started recovering from the non-performing assets (NPAs) loans mess and to again force them to lend will set the clock back. The PSBs need to lend based on risk assessment of the borrower and his/her ability to repay the loan. The hard earned money of the depositors and the capital paid for by the tax payers cannot be blown away recklessly, like the loan *melas* pushed by Janardhana Poojary in the Congress era.

Forcing banks not to declare loans to small businesses as NPAs till March 2020 will enable PSBs to cover up their growing NPAs to this segment for a much longer period of time. Economic development happens when banks lend wisely, borrowers invest in businesses, production of goods and services increases and loans are repaid on time. Lending in *melas* and then not repaying does not create a perception of economic wellbeing. It only shows the pitfalls of political interference and patronage. We are creating the setting for the next phase of the big NPA mess. This happens every few years. But the differ-

ence is that this time it will come too soon after the previous phase.

Arun Pasricha New Delhi

PM Modi in Houston

From all appearances, the "Howdy, Modi!" event in Houston was a big success. It was a visual treat. Prime Minister Narendra Modi delivered his address to the rapturous applause of the audience. The bromance between Modi and US President Donald Trump was in full display in Houston. They made a mutual admiration club heaping praise on each other. With his words "Abki baar Trump sarkar", Modi has endorsed Trump's candidacy, apart from certifying that Trump "made America great again". It was a deviation from the hitherto followed policy of non-partisanship vis-a-vis the Republican Party and the Democratic Party. The PM opined that Article 370 "benefitted separatists and terrorists". He proclaimed that "discrimination against Dalits is now past history". We couldn't agree more with Modi when he said, "Diversity is the strength of our democracy".

G David Milton Maruthancode

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Hope for manufacturing

Govt must follow up tax cuts with administrative reform

The global supply chain for goods is in a state of flux, and this is the time for India to take advantage of it. Costs are increasing in China, for long the hub of global manufacturing, and the Sino-US trade war is disrupting existing supply arrangements. Many companies are looking to set up plants elsewhere in the emerging world — and India should be high on their list of possible destinations. So far, however, domestic risk factors and a high-cost environment have rendered Indian manufacturing relatively uncompetitive and locating in India is thus unattractive. But recent moves from the government can reverse this trend. Most notable among these is the slashing of the corporate income tax rate to 25.17 per cent for large companies, announced last week by Union Finance Minister Nirmala Sitharaman. What was perhaps lost in the middle of the euphoria induced by this step was the fact that new manufacturing firms will be taxed at an even lower concessional rate of 17 per cent including surcharge and cess. This is a sensible attempt to induce new investment in the manufacturing sector.

A major tax cut of this nature for new investment should significantly alter the return on equity for new investment. Importantly, it is also in the spirit of the larger corporate income tax cut, which intended to make India competitive with peer nations in Southeast Asia. Countries such as Thailand and Vietnam have concessional rates for new investment — which are, however, even lower than India's new rates. For example, companies that move their regional operating headquarters to Thailand would receive corporate tax rates below 10 per cent, and their foreign employees would be taxed at only 15 per cent.

The tax cut for new manufacturing companies should be seen in the context of other moves to make the environment more hospitable to new investment. For example, the wage code has been streamlined and some export-oriented sectors have been permitted more substantial use of contract labour. The government also recently provided clarity on foreign investment in contract manufacturing, which is permitted at the 100 per cent level through the automatic route. The finance minister also announced in the last fortnight a package for exporters that would be compliant with Indian obligations at the World Trade Organization, and also promised that refunds of input tax credits would be processed in a time-bound manner. Credit-constrained export-oriented sectors might also benefit from a relaxation of priority sector lending norms for banks. The larger attempt here is clearly to create an environment that is friendlier to those willing to expend capital on the risks that Indian manufacturing entails. Threats to risk capital include high taxes, now being addressed, and high interest rates, which too are being lowered consistently by the Reserve Bank of India, now that inflationary expectations are under control. But more needs to be done. Comprehensive central labour and land law reform is a long-pending demand of the manufacturing sector and cannot be evaded forever. It is also necessary to consider the question of administrative and regulatory risk. Access to international arbitration, clear advance tax rulings, more capacity in the judicial sector, and an independent and apolitical regulatory cadre are a must. Only then will a sustained increase in manufacturing's share in gross domestic product be visible.

Substantial ambiguity

A broader RTI Act needs sharper definitions

The Supreme Court's judgment last week bringing non-governmental organisations (NGOs) "substantially funded" by the government under the Right to Information Act raises several critical questions. The two-judge Bench of Justice Deepak Gupta and Justice Aniruddha Bose based their judgement in the case *DA V College Trust and Management Society vs Director of Public Instructions* on an interpretation of "inclusive" sub-clauses defining the categories of eligible institutions under the Act. In addition to four categories, one clause stated that the Act would be applicable to bodies that were owned, controlled, or substantially financed by the appropriate government, and not necessarily formed under the Constitution, an Act of Parliament or a state legislature, or by a notification. This definition, the judges concluded, brought NGOs funded, directly or indirectly, by the appropriate government squarely within the ambit of the Act. Potentially, thousands of private trusts and institutions that work with government funding to varying degrees could now be open to public scrutiny.

In terms of the broad purpose of the RTI Act, the judgment appears unexceptionable. If public money is being expended on a private initiative, the taxpayer has the right to know how it is being spent. This is relevant in the case of hospitals and educational institutions for which governments extend land grants and related subsidies. Most of this aid typically comes with conditions attached, such as reserving a certain percentage of beds/seats for the poor. There has long been a suspicion that the mushrooming "five-star" hospitals and educational facilities in 21st century India, built on government land and tax breaks, observe these conditions more in the breach. The Supreme Court's latest judgment would bring them under public scrutiny.

The attractions of such transparency must be weighed against the ambiguity on the key definition of "substantially funded". In 2015, the Central Information Commission had defined substantial funding thus: If a body receives ₹5 lakh from the government and if this amounts to 10 per cent of the annual income of the NGO concerned. Though this ruling has the virtue of specificity, it appears to set the threshold rather low. The Supreme Court in its September 17 ruling stated the term "substantial" meant "a large portion". It added that "[i]t does not necessarily have to mean a major portion or more than 50 per cent. No hard and fast rule can be laid down in this regard". The issue had to be determined on "the facts of each case". The judgment has offered some guiding examples — for instance, if the grant amount is small (say, ₹5,000) or whether the NGO concerned can function without it and so on. But this still leaves the door wide open for interpretation and adds to NGO costs in terms of lawyers' fees. As it is, NGOs that receive government funding are required to appoint information officers to service RTI requests, which is likely to put disproportionate pressure on smaller NGOs rather than the bigger, well-funded ones. The government would do well to include a specific definition of "substantial funding" in the RTI Act so that the overburdened courts are not loaded with more cases on this count.

ILLUSTRATION: AJAY MOHANTY



Big bang steps

With fiscal and monetary levers being pulled simultaneously, expect economic growth and corporate profit to accelerate

The finance minister surprised almost everyone on Friday with her announcements on corporate taxation. The government has taken the decisive step of reducing tax rates by 10 percentage points to 25 per cent for all domestic companies. For new manufacturing investments, companies can avail of a tax rate of 17 per cent, provided the new assets become operational by March 31, 2023. There were some other less significant changes for share buyback programme that was announced earlier, as well as for the removal of surcharge on capital gains on buying and selling of equities. The total cost of these tax breaks was estimated to be ₹1.45 trillion. The magnitude and speed of corporate tax relief is unprecedented for India. Overnight, we are now comparable to most countries in Asia. This was clearly an unexpected move, and markets rejoiced by promptly rising over 5 per cent on Friday. On further reflection, it becomes clear that this is a major policy move. Investors have to think through the long term impact — and it is not just the rise in corporate earnings. Here are some of my takeaways.

1. The government has finally moved past the "suit, boot ki Sarkar" jibe of the Congress. It is no longer scared of being seen to be wooing businesses. Money-making, if done ethically, is to be celebrated and not vilified. This is a big step in correcting the perception that the government had moved too far to the left and was not pro-business.

This tax break is targeted at corporate India, and improving corporate confidence. The government recognised that there was risk aversion among corporate leaders. The decision to decriminalise certain offences in the companies Act is another step in this

direction. No amount of reduction in interest rates will catalyse investments if business leaders lack belief.

India will become a more attractive destination to set up and run a business as a result of these steps. Instead of giving a relief in GST rates, which would have given a boost to consumption, the finance minister has improved the earnings and cash flows of corporate India, hoping that these companies will gain confidence and, in turn, hire and invest. While more needs to be done to ease the hassles of running a business in India, this is a massive step. Tax rates can no longer be the reason to not invest in India. Corporate India must now stop complaining and instead step forward and bet on the economy and growth normalising. The time for cynicism and doubts about the government having any interest in corporate India must end. Companies will hopefully use this windfall to make investments for the future, be it in people, pricing, technology, brand building or plant and machinery. Ultimately, domestic investments must drive our economy; foreign direct investments can only be the icing on the cake.

2. This is a huge bet on growth. We will miss the fiscal targets for this year for sure, but even going forward, the only way this step makes sense for the government is if growth comes back strongly. Prime Minister Narendra Modi needs funds for his social programmes. With these new tax rates, unless growth accelerates strongly, he will not get the revenues he needs to fund these social schemes. These tax cuts should put to rest any doubt about whether the government cares about economic growth. Everyone is now aligned on one thing: Rapid economic growth is a necessity. Better still both the fiscal and monetary



AKASH PRAKASH

Big bets for heavy (green) industries

Yesterday, the United Nations Secretary-General convened a climate action summit urging world leaders to increase ambitions to ensure net zero emissions by 2050. India co-chaired the industry transition track with Sweden. India aims to become a \$5 trillion economy by 2024. Manufacturing share of GDP reached an all-time high in 1995 (18 per cent). When China was at our current size in 2006, manufacturing contributed a third of its GDP. Manufacturing is also responsible for a quarter of India's greenhouse gas emissions, rising to more than a third by 2040.

Can Indian manufacturing remain competitive, add to national income and create jobs, despite environmental constraints imposing hard choices on patterns of industrial development?

Four industries — iron and steel, cement, ammonia, and petrochemicals — contribute 27 per cent of industrial value, 23 per cent of formal sector manufacturing jobs but a whopping three-quarters of emissions. Even best-in-class energy efficiency will not keep the planet within the carbon budget consistent with limiting temperature rise to under 2°C by 2100. In order to retain or gain an edge, India must consider emerging technologies.

Iron and steel (32 per cent of emissions) will witness three-fold increase in production capacity by 2030. Most plants today use blast furnace technology. Lack of high-grade coking coal has forced firms to increasingly rely on imports. Some plants have shifted to direct reduced iron technology, which uses locally available low-grade non-coking coal, but input costs are very high. Average emissions intensity of steel production in India is twice the global level.

Alternatives are under development. TATA Steel's plant in IJmuiden, Netherlands, has successfully piloted the Hlsarna process, with half the carbon intensity of its Jamshedpur plant. But this approach would increase import dependency of low-ash non-coking coal. The Circored process uses natural gas to produce hydrogen and substitute for coal. Swapping the steam methane reformer with an electrolyser, which uses renewable electricity to produce hydrogen, eliminates emissions.

Today, green hydrogen-based steel is 20-30 per cent costlier but could become competitive in India with a carbon tax of \$40 per tonne of CO2. It could meet strong domestic demand and provide for 4 million direct jobs by 2050, creating another 1.6 million jobs along the hydrogen supply chain.

Cement production adds 30 per cent of manufacturing emissions. With growing demand, limestone imports have increased 18-fold since 2000. Reducing clinker slows down import dependency for high-grade limestone and reduces emissions. But clinker substitution has reduced emissions intensity by only 5 per cent since 2010. Average clinker factor of Indian cement still remains at 0.71 (global average: 0.66).

In collaboration with EPFL (Switzerland), researchers from various IITs are piloting and testing Limestone Calcined Clay Cement (LC3). Early results indicate that LC3 can be as strong as Portland cements while replacing half the clinker and using low-grade limestone abundantly available in India. A transition towards low-carbon cement could support 540,000 jobs in 2050.

Ammonia, primarily used to make urea, is critical to food security. Despite being the world's second largest urea producer, India's urea imports have grown 30-fold since 2000. Globally, energy needed to manufacture a tonne of ammonia has dropped two-thirds but Indian plants have lower energy efficiency.

One alternative is to use syngas from coal and coal-bed methane. India's first coal gasification project to produce urea is under construction in Odisha. Another CBM-based urea plant in West Bengal will start commercial production by end-2019.

Other attempts, in Oxford and Fukushima, are aiming for zero-carbon ammonia, by combining renewables-derived hydrogen with nitrogen captured from air. A seven-fold drop in electrolyser costs and cheaper renewable electricity have nudged Australia, France, Japan, the Netherlands, Norway, Singapore and South Korea to announce plans for a hydrogen economy.



INFLEXION POINTS

ARUNABHA GHOSH & TIRTHA BISWAS

at the book not turning out as one expected it to be. Not a very small measure of this was contributed by the author's confession that the section on Murad, escapades with whom in the 1980s set the foundation of what Old India, as a juxtaposition to the New India, may have been, was "slightly fictionalised to conceal identities".

Style apart and Mr Komireddi's refusal to probe the reasons for Mr Modi's ever-increasing stranglehold on the electorate despite escalating anger and fear of his ilk, the book is extremely valuable for people who have been spared the lives of worms in Mr Modi's New India. This book was conceived over a London lunch chiefly for people who may have flipped through headlines detailing the latest horrific incident from India, but were unaware of the entire canvas of hate-spewing ideology and kangaroo courts engulfing India since 2014. The author lays bare multiple facets of this New India where an individual has become the party, the party has become the government and the government has become the nation, and how criticising one of them means castigating all.

Kudos to the author for seeing Mr

Modi's emergence as part of a political process that began in an earlier era. Almost one third of book, part one formally, can be considered a narrative on the pre-history of Mr Modi's India and can be encapsulated in one oft-quoted quote of a certain Dev Kant Barooah: "India is Indira, Indira is India." Fast forward to party leaders attempting to outpace rivals by statements eulogising Mr Modi and likening him to historical heroes of the Shivaji variety or terming him the "second Mahatma". When the regime's malevolence is incessant, it is often taxing to recollect details. This is where this book serves an important purpose. It is a ready reckoner on what is now past.

The writer is a journalist. His latest book is RSS: Icons of the Indian Right. He has also written Narendra Modi: The Man, The Times (2013)

MALEVOLENT REPUBLIC: A Short History of the New India

KS Komireddi
Westland Books, 228 pages, ₹599

A ready reckoner of Modi's India 1.0



BOOK REVIEW

NILANJAN MUKHOPADHYAY

This is the book that spawned numerous political theories, including conspiratorial, after its New Delhi launch last month. One of the speakers, former Union minister Jairam Ramesh, made remarks interpreted by instantaneous analysts as soft on Prime Minister Narendra Modi. He remarked it was time "we recognise Modi's work and what he did between 2014 and 2019 due to which he was voted back to power by over 30 per cent of the electorate." Abhishek Manu Singhvi picked up the cue and tweeted: "Always said demonising

#Modi wrong. Not only is he #PM of nation, a one-way opposition actually helps him..." The "final" evidence of senior national-level Congress leaders lining up at Mr Modi's altar was Shashi Tharoor's I-have-already-said-it statement: "I have argued for six years now that Narendra Modi should be praised whenever he says or does the right thing, which would add credibility to our criticisms whenever he errs..."

Undoubtedly, provocation for Mr Ramesh's peppery remark was the book that gives away the author's political orientation or perspective on the subject by including "malevolent" and "New India" in its title. Mr Ramesh was possibly stating that this book, written before the May 2019 Lok Sabha verdict, makes little effort to understand what makes Mr Modi tick despite his obvious divisiveness and the politics of malevolence he pursues incessantly. This limits the reach of the book, since it is likely to be picked up by the

converted, or those outside the dominant fold of the times.

As the three Congress veterans' remark, not all of them in the context of the book, there must be something that Mr Modi is doing correctly for him to increase his vote share by six percentage points between 2014 and 2019. This, however, is not the subject of the author's scrutiny as he writes while explaining what made him take up this project: The London publisher invited him to lunch and asked if he would write a book on Modi's India, or India after the prime minister assumed office in 2014. Mr Komireddi labels Modi as the "worst human being ever elected prime minister."

The author is enormously angry. The concluding chapter, Coda, opens with a Nissim Ezekiel poem: "When, finally, we reached the place; We hardly knew why we were there. The trip had darkened every face; Our deeds were neither great nor rare..." When elections were held this past summer, Indians already had "more than

a glimpse of the New India he [Mr Modi] has spawned. It is a reflection of its progenitor: culturally arid, intellectually vacant, emotionally bruised, vain, bitter, boastful, permanently aggrieved and implacably malevolent: A make-believe land full of fudge and fakery; where savagery against religious minorities is among therapeutic options available to a self-pitying majority frustrated by Modi's failure to upgrade its standard of living."

The diagnosis is clinical and in prose that is hard to put down — in fact, the book began with a narrative located in the 1980s, when the dream of secular and inclusive India was beginning to sour, and written in a style that makes it one of the most fascinating non-fiction books this writer has read. As the last pages stacked up on the left of the book's hinge, realisation set in that there was a writer who had matched Mr Modi rant for rant, the difference being that the spoken word was replaced by the written. Yet, there was no escaping the sadness

Opinion

TUESDAY, SEPTEMBER 24, 2019

REGISTERING SHAME
Chief Minister of West Bengal, Mamata Banerjee

NRC exercise will not be carried out in Bengal or anywhere else in the country. It was conducted in Assam due to the Assam accord ... Shame on the BJP for creating panic over NRC

Don't rush to trash traditional knowledge

Research shows *haldi* component's amazing anti-TB properties, there could be more in the vault of home remedies

SEPTICS DISMISS HOME remedies all too readily, but scientific evidence now shows that at least one of these may have more than a germ of medical rationale. Turmeric, or *haldi*, has long been celebrated in India as an immuno-booster. A study published in the journal *Infection and Immunity*—by researchers at the Jawaharlal Nehru University, in collaboration with KIIT University, Bhubaneswar, and Vanderbilt University School of Medicine, the US—finds that curcumin, a compound abundant in turmeric, enhances the body's response to the BCG vaccine, which protects against tuberculosis. Mice studies showed that curcumin, in its nanoparticle form, prolongs the vaccine's effect by inducing the immune system to guard against adult pulmonary TB. BCG is normally effective only against disseminated and meningeal TB in children—the immune response triggered by the vaccine doesn't last into adulthood. Given TB kills 2 million annually, with most deaths happening in India, the discovery has considerable import.

The vaccine triggers the immune system to produce two types of immune cells against the TB pathogen—effector memory T-cells, and central memory T-cells. The first are part of the immediate immune response while the central memory T-cells help in longer-term protection. However, the concentration of the latter falls with time. Hence, BCG confers no protection to adults. Immunomodulators that increase the number of central memory T-cells in the body, therefore, are key to offering extended protection. This is where nanocurcumin becomes the prosaic white knight. Central memory T-cells' differentiation into effector memory T-cells is facilitated by the potassium-ion channel. Nanocurcumin blocks this channel, and thus changes the ratio naturally maintained between the two memory T-cells. Curcumin also enhances the various functions (autophagy, and regulation of inflammatory cytokines) of the antigen-presenting cells of the immune system, such as macrophages and dendritic cells. It also causes an enhancement in the number of TB-specific acquired central memory T-cells of the Th1 and Th17 lineages. Nanocurcumin also impedes Th2 and Tregs cells that inhibit the activity of Th1 and Th17. Mice treated with nanocurcumin, the study found, had significantly lower bacterial load in their lungs and spleen than the controls.

This is not the first study to discuss the effects of curcumin (read *haldi*) in battling TB. Earlier this year, a paper by Iranian medical researchers also discussed curcumin's immunomodulatory role. There are other signs of the West, where faith in modern medicine is unshakeable, waking up to some of the wisdom of traditional medicine. There is ongoing and published research on the anti-microbial properties of *tulsi*, and *neem*. The 2015 Nobel in Medicine for Tu Youyou is a proxy nod to traditional Chinese medicine (TCM), having been given for research on the role of artemisinin in treating malaria—artemisinin is a derivative of sweet wormwood, widely described in texts on TCM. While all the “wisdom of the ancients” may not ring true the way it has for *haldi* or artemisinin, policymakers and science advocates would do well to take the loud scepticism of traditional medicine a bit sceptically, lest they miss a big reveal like *haldi*'s while the West rushes to appropriate intellectual property rights. Indeed, many may have mocked, rightly or wrongly, prime minister Narendra Modi for calling Ganesha's head transplant the first example of “plastic surgery”, but that Columbia University's Irving Medical Centre talks of the ancient Indian text *Sushruta Samhita* containing detailed instructions for performing complex surgical procedures—including three types of skin grafts and reconstruction of the nose—should make one think.

Need Cornell & Clarkson

Get it right on allowing foreign universities

FOREIGN UNIVERSITIES SHOULD have been allowed to set up campuses long ago; while the latest iteration of the draft legislation for this is a highlight of the Higher Education Commission of India (HECI) Bill, it has been around since 2010. The government has never officially explained why it has dithered on opening India up to foreign universities, but statements from policymakers would suggest that the high cost of availing education at these campuses was an overriding factor. That should have meant top-billed private universities that charge hefty fees also didn't come up, but they have, and are thriving. While the BJP had vehemently opposed the Foreign Educational Institutions Bill in 2013, the government has now introduced a provision in the HECI Bill to permit entry and operation for foreign universities. Given that there are over 7.5 lakh Indian students abroad, and annual forex outgo, in terms of tuition, lodging, and other expenses, amounts to \$2.8 billion, the move may ensure that at least some of that dollar expenditure by India doesn't happen. More importantly, it opens up the possibility of India maturing into a regional education hub over the years, quite in the manner that a Singapore has. However, the government needs to understand that this will happen in an organic fashion, and not by insisting on allowing only “highly-reputed institutions” right from the start, as the draft HECI Bill does, according to a report in *The Indian Express*.

The government must realise that the Indian higher education ecosystem, spanning regulation, infrastructure, talent, etc, may not immediately have an appeal for a Harvard or an Oxford to set up even an extension campus. India must first go through the usual route, of proving that it means business; this would involve allowing bona fide universities that may not enjoy the stellar repute that top-billed ones do, and tweaking the ecosystem to ensure that these thrive while delivering high-quality education to those enrolling in them. Bear in mind, the IITs and IIMs classify as top institutes in India, but none of them figure even in the top-250 ranks in the world. That said, their alumni remain highly sought-after globally, and this has helped in gradually consolidating their international repute. So, even if, say, a second-rung university from the US or Australia was to set up campus in India, it would still lead to an overall improvement in the higher education ecosystem, given not every Indian university is an IIT or an IIM, and the bulk of the Indian higher education institutes are of questionable quality. The positives for the country thus could be significant, even if a non-Ivy League or non-Oxbridge university sees potential in India.

Harvesting R&D

A new World Bank book makes it clear that agri-R&D could yield better gains than rationalising land allocation

THERE IS NO doubt that for India, where the largest chunk of labour is still in agriculture, raising agricultural productivity is the surest ticket out of poverty for millions. This is especially true given how difficult it has been to sustain the creation of non-farm jobs for people to move to. While rising productivity in India has lifted many out of poverty, significant poverty still remains. What is also worrisome is that even though agricultural productivity has gone up across the world, undernourishment is on the rise. Besides, climate change promises to be the most daunting challenge going forward. The FAO estimates a 3–10% decline in average global cereal yields for every 1°C increase.

With agricultural productivity growing more slowly in poor nations, time is running out for tackling extreme poverty. A new book, *Harvesting Prosperity: Technology and Productivity Growth in Agriculture*, by World Bank researchers, argues that while many view the small (marginal)-holder pattern of land ownership as an impediment to improving productivity, the gains of reallocating land, and labour in favour of larger holdings are smaller than often thought. The real upside will come from investment in generating, and disseminating sharper agricultural knowledge. The rates of return for R&D in agriculture are nearly 30–40% higher than many alternative investments. But, R&D investment, as a share of agri-GDP, is six times higher in developed nations compared to developing nations while the number of R&D worker is 50 times higher. Unless India focuses on agri R&D, apart from correcting its many agri-policy flaws, lifting the next many millions of its poor out of poverty will be much harder than before.



GROWTH IMPETUS

MEDIUM-TERM GROWTH PROSPECTS WOULD HINGE ON SHARPER FISCAL CONSOLIDATION

Corporate tax rate cut is no *Brahmastra*

LAST FRIDAY'S CORPO-RATE tax rate cut elicited a euphoric response from the stock market, compelling several analysts to revise their short-to-medium term growth projections upwards. This unanticipated, major fiscal boost is expected to stir the ‘animal spirits’, rekindle private investments, and stroke consumer sentiment through positive wealth effect. Is the growth optimism justified? History would tell us to be cautious! Recollect Mr Chidambaram's dream budget of 1997, when he engineered a rather welcome rationalisation of personal income tax rates. What happened thereafter—the economy could not sustain the demand boost, and went into a recession couple of years down the line!

That does not mean the 1997 rationalisation of income tax rate was wrong. Rather, it was successful in meeting its objectives of expanding the tax base and raising tax revenue in the medium-to-long run. In a similar vein, Friday's corporate rate tax cut is most welcome; though its timing could be questionable. While fiscal experts would like to debate if an economy with a per capita income below \$2,000 can afford such a cut in corporate taxes, especially when rising income disparity is being projected as a long-term constraint to growth, India had very little choice in a world of “race to the bottom”. Matching competing counties in terms of tax incentives was imperative. Indeed, one could argue that it came a couple of years too late! It should have been done in 2016, when the domestic private sector was in great distress, and the government had windfall oil tax revenues to bridge the financing gap.

Fiscal imperatives binding constraint

But, the immediate question everyone wants to focus on is if this fiscal boost, estimated at 0.7% of GDP by the government, will revive growth? Before this announcement, there was near-consensus that there was little fiscal space for counter-cyclical fiscal measures. RBI Governor Das, too, had communicated

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Views are personal



this, in no uncertain terms, to the market a week before. How does this measure relate to the larger fiscal concern? In the macro perspective, this would increase corporate savings by 0.7% of GDP, with immediate effect. If the general government (Centre plus states) dissaving, i.e., fiscal expansion, also goes up by equal measure, the net impact on savings, and, therefore, investment, should be zero, assuming current account projections are retained. If household savings, and its financial component remain stagnant or decelerate further, then the growth outcome could turn more intriguing!

Since the government has not clarified its stand on the financing side, bond yields moved in the other direction, confusing even the rating agencies—Moody's thought the changes are credit positive, contrary to Standard & Poor, which assessed them as credit negative! One thing, though, is clear—these tax cuts are structural, i.e., long-term commitments to firms, and, therefore, the tax shortfall will extend to multiple years. Corporate tax recovery would take time as it would depend on investment recovery, subject to evolving demand conditions. One should not forget the live lessons from faltering GST revenue collections in the face of a 14% tax revenue growth commitment given to the states, leaving very little space for counter-cyclical responses when growth falters! Which is why, now, many experts would urge more aggressive disinvestments to close as much of the financing gap as possible, subject to market conditions.

Divestment is not all panacea

How much could disinvestment help? Currently, we have many profit-making PSUs that can fetch good value in the market, which the government

could tap. It needs to be flagged here that selling family silver would trigger a secular decline in non-tax revenues (dividend from PSUs). That is why, international agencies such as the IMF treat disinvestment proceeds as below-the-line (financing) item, unlike the government, which treats it as an above-the-line item. Asset monetisation of land and building that currently yield zero return are ideal, but can materialise on a grand scale only when the private sector is ready to invest in green-field projects!

Therefore, long-term debt sustainability issues cannot be wished away. The world over, investors now worry a lot about the global debt pile-up as inflation fails to respond. If growth fails to revive, the debt market could react adversely, forcing the government to raise effective tax rates, nullifying all that it is today hoping to achieve. There is very little choice left, except to cut current expenditure, especially, food, fertiliser, and petroleum subsidies, more aggressively than ever before!

Monetary policy communication could be critical

There is one significant difference between 2009–10, when the UPA-II government played with fiscal fire, and the current situation—lack of inflationary pressure. In hindsight, one could make a case for more aggressive easing than the 110 bps policy rate cut. Governor Das has consistently been communicating to the market that there could be

more room for policy rate cut, in spite of geopolitical risks to oil prices. He has stuck to his stance even after the large fiscal shock, indicating the growth slowdown is cyclical, and output gap is large. While most analysts have retained their call for a 25–40 bps rate cut on October 4, a few are still making a case for a larger cut of 100 bps, or more.

The MPC has, so far, avoided committing publicly its stance on the real rate. It is difficult to visualise if it would opt for a monetary policy shock of 100 bps reduction, or more, in the policy rate given continued financial sector fragility. Government-pushed ‘loan melas’ could be another irritant. The MPC could possibly effect another rate cut, and then turn data-dependent. It would also prefer to wait and see if the latest RBI diktat on linking lending rates to an external benchmark is helping quicker transmission. The bond market is nervous as term-premiums are rising. The MPC needs to cool it down. A great deal will depend on how the MPC chooses to communicate its views on growth, and the role of monetary policy to undertake the ‘heavy-lifting’, post-fiscal shock.

A great deal will depend on how the MPC chooses to communicate its views on growth, and the role of monetary policy to undertake the ‘heavy-lifting’, post-fiscal shock

Support with more structural reforms

Sunil Jain, in a *Financial Express* edit, made an apt comparison with the 1991 exchange rate devaluation—that it was required to be done, whatsoever might be the consequences. If the government's objective is to restore a competitive edge for investment in India, for both domestic and foreign firms, this was a necessary structural reform, but not a sufficient one. It would need all-round support from other structural reforms in the factor and product markets. One hopes the government will not stop at this one, and carry on with narratives of other reform agendas into the following elections in Maharashtra and Haryana—two of our industrially advanced states!

Corp tax cuts will drive private capex

Corporate tax cuts in medium term: drive acceleration of capex & spur demand. In near term: more corporate savings. Only 58% of total revenue loss will be apportioned to the Centre

SANJAY MOOKIM, NAFEESA GUPTA & SHIKHA GUPTA

Authors are research analysts, DSP Merrill Lynch (India)
Views are personal

MSCI INDIA HAS underperformed EM by 7.4% YTD (in USD terms), but we think this can reverse with the decisive action taken by the government. The reduction in corporate taxes is a good structural measure because: a) cut in GST (a consumption stimulus) would need consensus from states, b) reduction of personal income taxes would benefit only the small proportion of consumers who pay taxes, and c) only 58% of the total revenue loss (₹1.45 trn/yr) will be apportioned to the Centre (a fiscal impact of 0.4% of GDP).

Lower taxes will improve returns on investment which can drive an acceleration of capex in the medium term. In the near term, however, this additional cash flow will likely lead to an increase in corporate savings (see graphic). Our calculations suggest that PSU companies (in BSE 500, ex-financials) will save around ₹193 bn in taxes, based on FY19 actual profits. Much of this (around ₹100 bn) will likely flow to back to the government, in the form of dividend, and dividend distribution tax. PSU stocks, though, could see risk due to greater disinvestment for FY20. We prefer finan-

cial, industrials/cement, and IT.

The reduction in corporate tax rates is an investment stimulus, and not a consumption one. Consumption, and higher demand will likely be a derived impact of corporates eventually spending this incremental profit. A small immediate impact, though, an improvement in sentiment, is likely though. We think Indian consumer stocks are still reasonably expensive—it might be difficult to chase the sector despite the EPS lift.

Our calculations suggest FY19 PAT savings of around ₹580 bn for BSE 500 companies. The sector wise savings (for BSE 500 Index, taking FY19 PAT) is the largest for banks, energy and materials (see graphic). Given the nature of these businesses, they are unlikely to step up capex in the near quarters. The higher cash flow will therefore most likely lead to increased corporate savings in the near term.

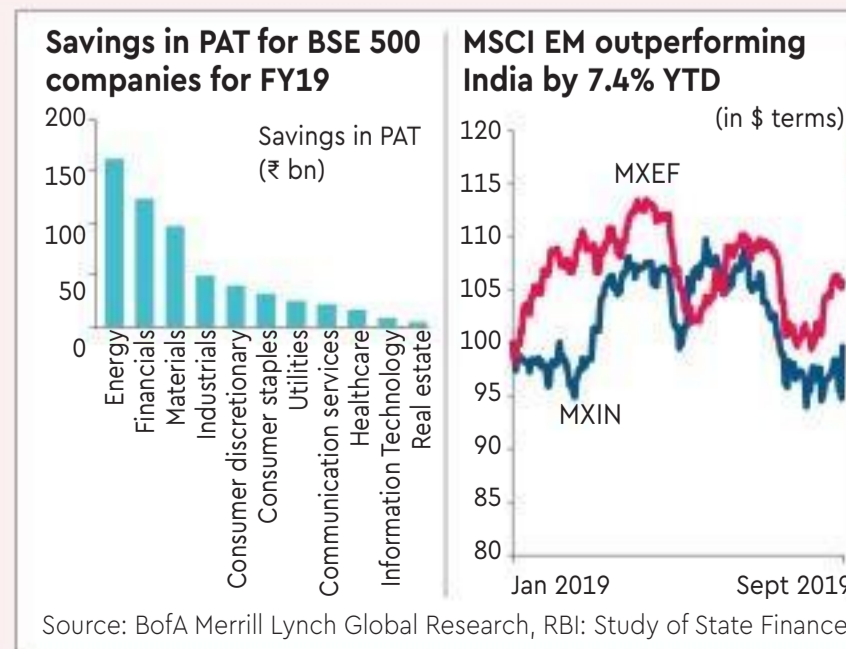
The reduction in the corporate taxes (₹1.45 trn/year) will be split between the Centre and the states in a 58:42 ratio (share of federal taxes). Therefore, the Indian states, on aggregate, will see a drop of ₹610 bn/\$8.6 bn/0.3% of

GDP in transfers from the Centre. Taking FY19 state accounts, this loss for states would mean 1.73% of total revenues, and 1.71% of total expenditure. Given their hard deficit caps, states will have to cut expenditure. States largely spend on social issues (see graphic). The Centre can choose to partly cut spending, and partly raise the fiscal deficit.

The government is well behind its revenue target for FY20. According to the Department of Investment & Public Asset Management (DIPAM), only ₹123 bn of divestment revenue has come in FY20, so far (vs. target of ₹1.05 trn). We, therefore, see further pressure on PSU stocks due to rushed government stake sales. The government is also short of the targeted GST collections.

The government could look for expenditure reductions to fund this stimulus. Beyond the pop that happened on Friday, we continue with our preference for banks, industrials, and cement, which should gain from any revival of capex in the country.

Edited excerpts from BofAML's Corporate tax cuts: drive private capex, curtail govt expenditure (Sept 23, 2019)



LETTERS TO THE EDITOR

Prime Minister Modi in Houston

Howdy Modi event at the NRG stadium in Houston, Texas was riveting and historic. Addressing a 50,000 crowd in Houston, the champion of rhetoric, Prime Minister Narendra Modi said that after 70 years, “one thing has been bid farewell”. “*Aap samajh gaye, na?* It was received with thumping supportive cheer. Not only this, describing the event as “history in the making”, Modi said: “You had introduced me to your family when I came to the White House. Today, I have the honour of introducing you to my family (50,000 Indo-Americans).” Whereas Trump praising Modi for “lifting 300 million people out of poverty”, there was similarity between Trump and Modi, as he said that India and the US were jointly fighting against “radical Islamic terrorism”, prompting the crowd, to give him a standing ovation. No doubt, Modi did vigorously defend reorganising Kashmir from an autonomous state in India to a territory of India. He assured the audience that Kashmir will be free of terrorists, and Kashmiris will enjoy the same freedoms as the rest of India. Everyone wants it; even I strongly believe that Kashmiris also approve of it. But, if the Modi government is not to completely shun 8 million people and impose the transformation without their consent, why does India not have a referendum, like the UK did it for Ireland or what other democracies did, to know the will of the people. India is denying the will of the people. Majority of Indians believe that Modi is driving the nation towards nationalism and extremism. If not, then why did Modi not say when normalcy will return, and when the apples will stop rotting?
— Bidyut K Chatterjee, Faridabad

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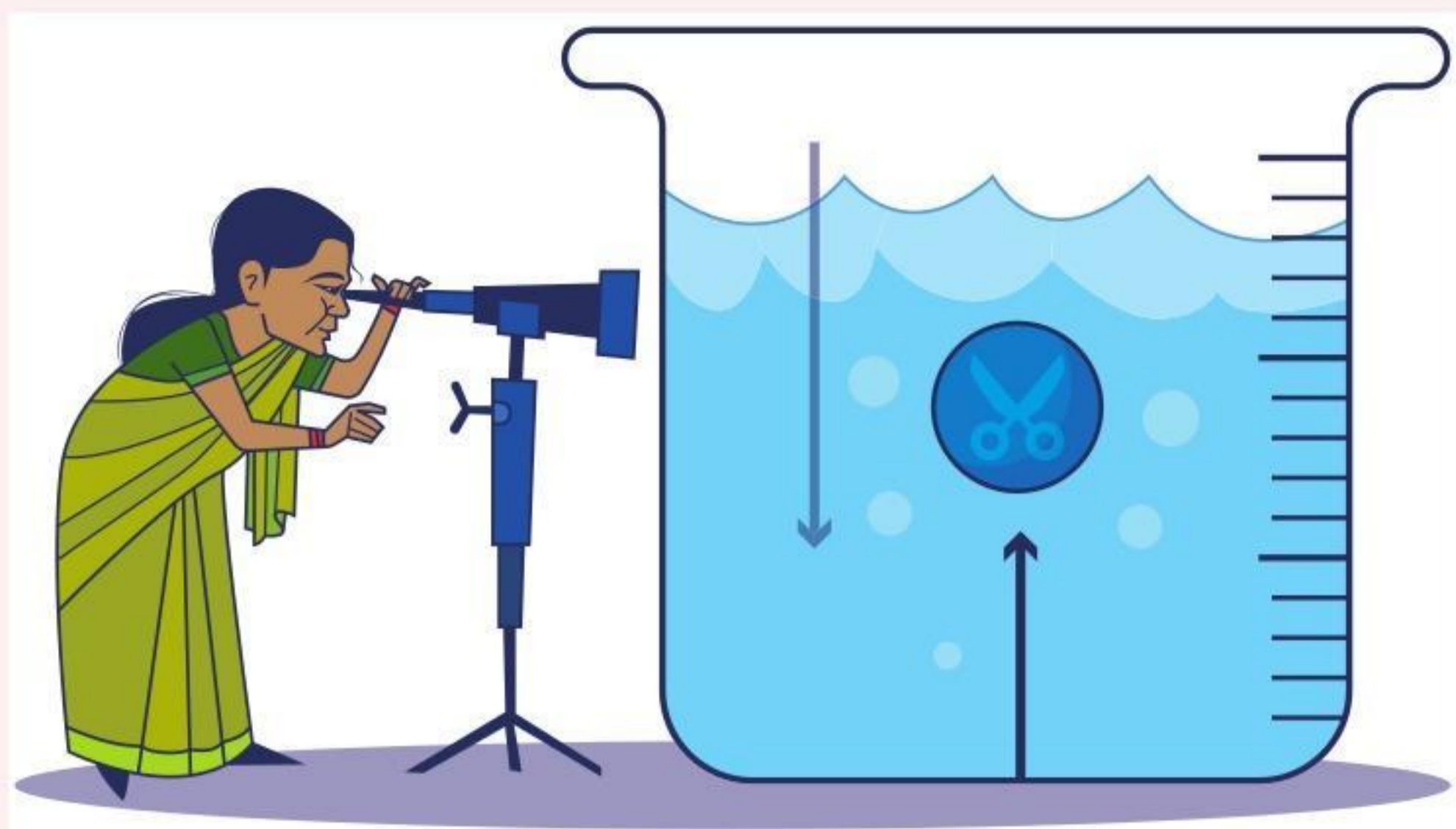


ILLUSTRATION: SHYAM KUMAR PRASAD

EMMANUEL THOMAS & LEKHA CHAKRABORTY
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Paying attention to tax buoyancy

The packages announced by the finance minister so far mostly target the supply side. It will take a while to yield results by way of turning around growth

Buoyancy of total own-tax revenue by states and the gross tax revenue of the Union

State	Long-run buoyancy			Short-run buoyancy			Speed of adjustment
	<1	1	>1	<1	1	>1	
Andhra Pradesh		1.17***		1.12***			-0.88**
Bihar		1.28***	0.29				-
Chhattisgarh		1.09***		0.94***			-0.92***
Goa	0.95***			0.08			-0.26*
Gujarat	1.09***			2.4***			-0.09
Kerala	0.85***			0.04			-0.34*
Haryana		1.17***		1.3**			-0.98***
Jammu & Kashmir		1.28***		1.1*			-0.51*
Jharkhand		1.24***	0.54***				-0.93***
Karnataka	1.04***			1.28***			-0.5*
Kerala		1.06***		1.59***			-
Madhya Pradesh	1.15***			0.5			-0.58*
Maharashtra	0.99***			0.97***			-0.52*
Odisha	1.08***		0.29				-0.43**
Punjab	1.03***			-0.63			-0.59*
Rajasthan	0.99***			0.52**			-0.33**
Tamil Nadu	0.94***			1.19***			-0.46**
Uttar Pradesh		1.17***		1.75***			-0.88***
West Bengal	1.12***			0.66			-0.52**
Arunachal Pradesh		1.39***		0.77*			-0.51**
Assam	1.07***			1.24**			-0.42***
Manipur		1.58***		2.04**			-0.68**
Meghalaya		1.36***		0.83**			-0.41*
Mizoram		1.42***		-			-0.19**
Nagaland	1.24***			0.81			-0.25
Sikkim	0.85***			0.17			-0.35*
Tripura		1.33***		0.24			-0.41*
Union	1.05***			2.05***			-0.47**

***p<0.01, **p<0.05 and *p<0.1; GDP and GSDP data are from RBI database; Tax revenue data are from NIPFP database of Finance Accounts

OFTEN, FISCAL STIMULUS is launched through the tax side than expenditure side, assuming that the buoyancy of the former will ensure minimum fiscal slippage, while showing the economy out of a glut. The general idea is that a reduction in rates will increase the tax base and compliance. This, along with its positive impact on growth, would lead to higher tax buoyancy. The fiscal stimulus programme announced by finance minister Nirmala Sitharaman is also premised on a similar idea. An IMF working paper titled 'How Buoyant is the Tax System? New Evidence from a Large Heterogeneous Panel' by Paolo Dudine and Joao Tovar Jalles, published in 2017, finds that tax buoyancies are generally equal to unity or greater for developed as well as for less developed economies.

In our economy, the tax-to-GDP ratio has hovered around 14-17% for the last few decades, which is the combined figure for the Union and states. Direct and indirect taxes contribute almost equally to the total tax revenue, although the share of direct taxes is slightly higher at 52% during 2017-18. The Union collects about 10% of GDP as tax revenue and the rest is by all the states together. The finance minister's stimulus package is premised on the buoyancy of these taxes. Hence, it is imperative to look at the tax buoyancy factor both at the Union and the state level during the recent past.

Tax buoyancy measures the response of tax revenue to a change in national income and the tax policy. Economists generally define it as the ratio of percentage change in tax revenue to a percentage change in income. Buoyancy can be estimated for the long-term as well as for the short-term. Short-term buoyancy above unity signifies that the tax system acts as an automatic stabiliser. Here, the tax system itself would automatically leave a greater proportion of income with the taxpayers during a slow-down dampening the fall in demand. Similarly, during a boom, the system would automatically take away more income through taxes, consequently slowing down the growth of demand. Such a tax system has a built-in stabiliser. In other words, the short-run buoyancy measures the instantaneous effect of a change in GDP on the tax revenue.

Long-run buoyancy is important in gauging the impact of long-run growth of the economy on fiscal sustainability. Long-run buoyancy above unity would mean that faster growth would lead to better fiscal balance through the revenue side. This would be an important guiding principle while considering counter-cyclical fiscal measures, meaning an

increased fiscal deficit would trigger growth, which can, in turn, generate more tax revenue, leading to the easing of fiscal pressure.

The Auto Regressive Distributed Lag (ARDL) model allows us to estimate the long-run and short-run buoyancy, along with the speed of adjustment—which tells us how fast the buoyancy converges to the long-run equilibrium value.

The estimates for the period 2001-17 show that the long-run and short-run buoyancy are 1.05 and 1.74, respectively, for total tax (the Union and states combined). The high short-run buoyancy will mean that the current slowdown would have an amplified negative impact on tax revenue in the short-run. The slowdown will have a heavy impact on the Union tax revenue, which has an overall short-run buoyancy coefficient that is very high. The very high short-run buoyancy of direct taxes will escalate the fiscal pressure emanating from the recent cut in corporation taxes. This will also have a deleterious effect on the fiscal health of states as the shareable kitty will shrink substantially. Now, with the 15th Finance Commission (FC) asked to consider the impact of the award of 14th FC on Union finances, any fall in the share of states would adversely affect state finances.

Relatively low buoyancy for states' taxes (1.04 for the long-run and 1.19 for the short-run) will mean a reduced adverse impact of the slowdown on states as a whole. But the effect on individual states will depend on their buoyancies and the extent of deceleration of the gross state domestic product of respective states. Short-run buoyancy is found to be either equal to or less than unity for all states. Bihar, Goa, Haryana, Jharkhand, Odisha and Sikkim will be the ones that would be least affected in the short-run, with a buoyancy factor less than unity. For the long-term, all states have buoyancies either equal to unity or greater than unity. Goa, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, West Bengal, Assam, Nagaland and Sikkim have long-run buoyancy equal to one, making them less vulnerable in the long-run. Interestingly, most of the richer states fall in this category.

The packages announced by the finance minister so far mostly target the supply side. It will take a while to yield results by way of turning around growth.

Till growth revives, the high buoyancies signify a fall in revenue unless a rise in tax base and compliance compensates for it. However, that is doubtful.

Having seen these premises and the estimates of tax buoyancy, what policy options do we have now to arrest the slowdown, revive the economy and moderate the fiscal slippage? With the general consensus that a fall in aggregate demand is the main culprit, steps can be initiated to shore up aggregate demand. These interventions can be on both revenue and expenditure sides. On the revenue side, a reduction in taxes that will benefit the relatively poorer sections and rationalisation of GST will definitely have a high multiplier effect. Expenditure on infrastructure and upscaling programmes like MGNREGA will also have a higher multiplier effect, leading to revival of growth.

More detailed analysis of buoyancies of individual taxes including GST (where we have only a short-time series) is essential. Although we have incorporated the optimal parameterisation in the models by choosing the apt lag lengths, the estimates can be refined further by incorporating variables like inflation, structural variables, political factors and business cycles in the tax buoyancy estimation models. At a disaggregate level analysis, it is also important to see whether the buoyancy of divisible pool taxes is greater than states' own taxes. Along with these, an understanding of how tax buoyancies behave in different phases of business cycle (output gap) will throw more light on the effectiveness of such policies.

Leading with the front-liners

RAGHWESH RANJAN

The author is director, Social & Economic Empowerment, IPE Global

Poshan Abhiyaan leading the war against malnutrition. But are we doing enough?

THE 'POSHAN ABHIYAAN' was launched by the government with great fanfare on March 8, 2018, in Jhunjhunu, a small city in Rajasthan, where the Prime Minister made a call for waging a battle to end the evil of malnutrition in India.

Poshan Abhiyaan focuses on reducing stunting, undernutrition and anaemia in women and adolescents. In two years, we have seen it being implemented in every state with much zeal. But the changes seen on the ground are minimal.

Educating families on the need for nutrition and motivating them on adopting these into their behaviour is crucial. In 2019, the campaign is focusing to address Poshan Vyavahar (Nutrition Behaviour) and communicating the five key components critical for a healthy life: 'Poshan ke Paanch Sutra'. These start from the journey of first 1,000 days of a child, diarrhoea management, locally available nutritious food, sanitation and hygiene, and anaemia. Every house needs to be reached to bring about behavioural changes. For this, the campaign's first post, i.e. Anganwadi centres (AWC), and its soldiers, i.e. Anganwadi workers (AWW), accredited social health activist (ASHA) workers and auxiliary nurse midwives (ANM), play the most critical roles.

There are front-line workers (FLW) providing basic education, nutrition and ensuring health in rural India; they are taking forward the Jan Andolan agenda of Poshan Abhiyaan at community level and influencing people to change behaviour. But are our FLW themselves sufficiently empowered and aware to deliver what is expected of them?

Two independent studies supported by CIFF (Children's Investment Fund Foundation) were conducted in Rajasthan during the past two years, to identify the enablers, motivators and barriers influencing maternal and child feeding behaviours amongst infant and young child feeding (IYCF) practices. Each highlights a common thread—gender inequalities, social norms around food and beliefs and customs passed on through generations all dominate household decisions when it comes to nutrition. It was also found that the husband's interaction with FLW is negligible, while mothers-in-law perceive them as someone who challenge her advice to the mother. Also, the AWW, ASHA workers and ANM are neither skilled in counselling nor they are taking it on a priority basis. Areas like timely initiation of complementary feeding do not even get prioritised in AWW counselling as they are understood as low priority in the worker's own understanding. Based on the results of various nutrition-related projects, it has been observed that AWW are aware of key IYCF practices, but their perception and knowledge about the rationale applicable to recommended nutrition practices is poor.

It is not a question of capability or knowledge; it is more about what enables FLW to be change agents. Are they equipped enough with the right tools to approach the communities? Poshan Abhiyaan identifies key messages that need to be reinforced for improving status of nutrition. But what will enable mothers to adopt the best practices recommended in these messages and not fall back on the social proof from the community to seek resolution?

An ongoing pilot by IPE Global in four blocks of Udaipur in Rajasthan is using Participatory Learning and Action (PLA) approach to strengthen community mobilisation for Jan Andolan. Facilitated by ASHA, it is bringing communities together and helping them identify and understand issues, find feasible solutions, and devise strategies. It is empowering women in the process, which is arguably the most important determinant of health and nutrition outcome of any intervention. Once an ownership is built amongst the community, there are better chances of sustainable adaptation of changes in behaviour. It presents an example where the cadre of ASHA, with proper training and supervision, is able to facilitate a large-scale change in the community.

Jan Andolan for behavioural change can be successful if all FLW are empowered with adequate counselling skills, knowledge, tools and right motivation.

Jan Andolan for behavioural change can be successful if front-line workers are empowered with adequate counselling skills, knowledge, tools and also right motivation

THE LATEST WTO'S Monitoring Report on G20 trade measures shows that the coverage of new import-restrictive measures introduced during October 2018 to May 2019 is more than 3.5 times the average since May 2012. These measures considerably affected trade coverage worth \$335.9 billion during October 2018 to May 2019. It is observed that in case of trade in food and beverages, countries, mostly the developed, are becoming overly sensitive, perhaps due to stringent quality and safety standards.

The WTO Agreement on the Application of Sanitary and Phytosanitary Measures (SPS) sets out the basic framework and standards for food safety, animal and plant health standards. While giving a platform to countries for framing own standards, it notes that regulations must be justified through science, i.e. regulations should be implemented only to the extent necessary to protect the animal, human or plant life or health, and also not unjustifiably discriminate between countries where identical or similar conditions prevail. Although member countries are encouraged to use international standards, guidelines and recommendations, they may use measures that result in higher standards if there is a requisite scientific justification. Besides, they can set higher standards based on an appropriate assessment of risks so long as the approach is consistent, not arbitrary.

The question, however, is which stan-

Convergence in food safety standards

India's upcoming foreign trade policy 2020-25 can consider the integration of Codex practices on mass scale

ABHISHEK JHA & SEEMA BATHLA

Jha is consultant at the Trade Promotion Council of India; Bathla is professor, Centre for the Study of Regional Development, JNU, Delhi

standards are practised globally in terms of implementing food safety? Is it the Codex standards or individual country's standards? One must recall the acrimonious saga of 1989-90 when the EU banned beef imports from the US due to the quality of hormones of beef. This incident signalled that harmonisation of food safety standards is indispensable for spurring food trade globally in an eloquent atmosphere. When the WTO was set up in 1995, the SPS agreement was framed to assure harmonisation, provide risk-assessment and bring transparency under articles 3, 5 and 7, respectively. Codex Alimentarius and



group) that participate annually to discuss food safety issues and methods to adapt them unanimously. To illustrate, the maximum residual limits (MRL) of carbendazim in orange juice is different for each country. In Canada, it is 500-600 (parts per billion, ppb), in the EU 100-700 ppb, and in the US barely 10 ppb. Apparently, the US gives justification for this to ensure a fit-for-purpose safety of orange juice that is fit for human consumption. This, in a way, is an articulation of divergence from Codex standards and proliferates barriers for developing and less developed countries aspiring to export. Maintaining and satis-

fying each country's food safety standards have become a costly affair and also ambiguous for member countries. During early 2000s, the African economies lost sizeable exports worth \$670 million to the EU due to strict aflatoxin MRL acceptability. The risk on human health due to this strict food safety measure was estimated at 1.4 deaths per billion in a year.

This is something each member country has to work out, otherwise agricultural trade will continue to experience a protectionist wave. Harmonisation of food standards is commonly viewed as a prerequisite to the safety of consumer health and to allow the fullest possible facilitation of international trade. Harmonisation can only be attained when all countries adopt same standards. The General Principles of the Codex Alimentarius specify the ways in which member countries may "accept" Codex standards.

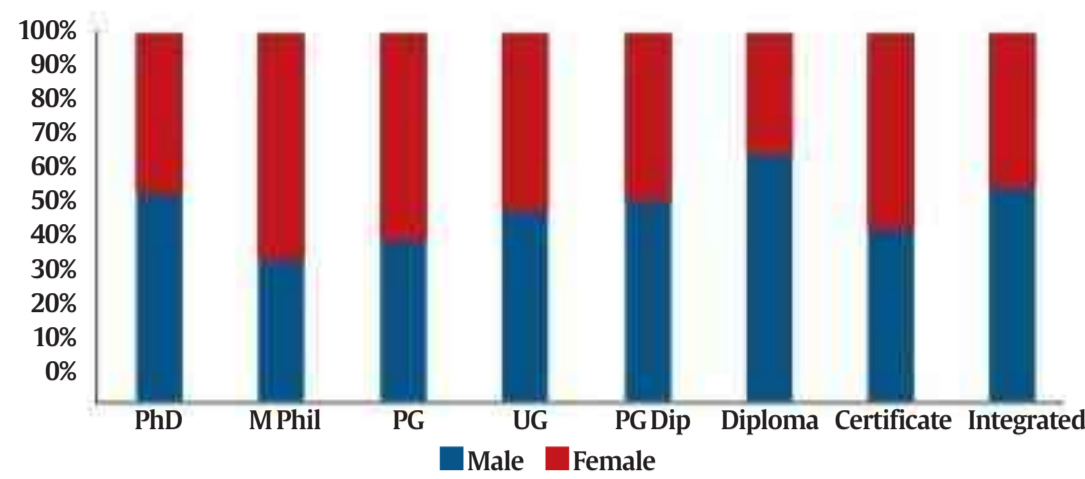
The emerging interests in all Codex activities do indicate a global acceptance of the Codex philosophy, protection harmonisation, consumer protection and facilitation of international trade. However, in practice, it is difficult for many countries to accept such standards in the statutory sense. Differing legal formats and administrative procedures, varying political systems and sometimes a growing influence of national attitudes and concepts of sovereign rights impede the progress of harmonisation and hence deter acceptance of Codex standards. Notwithstanding these, the process of har-

monisation is gaining stimulus by virtue of strong international desire to facilitate international trade. Countries are increasingly aligning their national food standards, or parts of them (especially those relating to safety), with those of the Codex Alimentarius. This is particularly so in case of additives, contaminants and residues.

Policy makers need to address and solve the challenge of implementing holistic approaches and constructing bridges between different disciplines as well as different sectors, including agriculture, environment, public health, tourism and commerce/trade. This is of special importance with changing consumer behaviour and international travel in addition to trade taking place at all levels in the food chain. Often, non-transparent international supply networks make it difficult to track the origin of all commodities and ingredients used in food products. Respective governments have a crucial role to play in adopting the vision for developing and facilitating implementation of national good agricultural practice (GAP) standards that are consistent, germane with international requirements, and adapt to local policies and environment. The public sector in tandem with support from the private sector can be instrumental in delivering the skills and infrastructure required for maintaining the safety and level of quality in the agri-food chain. India's upcoming five-year foreign trade policy 2020-25 can consider the integration of Codex practices on a mass scale.

TELLING NUMBERS

In higher learning, the gender breakup in courses and states



THE ALL India Survey on Higher Education (AISHE) 2018-19, aspects of which were reported in *The Indian Express* on Sunday, looks at, among other aspects, the gender distribution of students enrolled in various higher education courses in the country. The total estimated student enrolment in the country is 3,73,99,388, out of whom nearly 51.36% are male and the remaining 48.64% are female.

Course levels

The gender ratio is higher on the male side in most courses, but there are exceptions — female enrolment is higher at MPhil, postgraduate and certificate levels. Enrolment at undergraduate level is 51% male and 49% female, while diploma has a highly skewed distribution at 66.8% male and 33.2% female. At PhD level, male enrolment is 56.18% and female enrolment is 43.82%. At integrated level, the distribution is 57.50% male and 42.50% female. PG Diploma student enrolment is 54.09% male and 45.91% female.

The states

A higher overall share of male students in enrolment is a trend also in most of the states. The top six states in terms of total student enrolment — Uttar Pradesh, Maharashtra, Tamil Nadu, West Bengal, Rajasthan and Karnataka — account for 54.23% of the total enrolment in India. The female students in these states represent

54.43% of the female students across India, and the male students in these six states account for 54.05% of the male students across India.

In Uttar Pradesh, with the highest student enrolment in India, male students account for 49.30%. Maharashtra, with the second highest student enrolment, has 54.95% male and 45.05% female students. Tamil Nadu has 50.87% male and 49.13% female, West Bengal has 50.37% male and 49.63% female students, Karnataka has 50.04% female students, and Rajasthan has more male students than female students.

Student categories

SC student enrolment is 14.89% of the total enrolment and the male-female ratio is more or less similar to that of all categories. Students belonging to the ST category constitute 5.53% of the total student enrolment; here again, the male-female ratio is similar to the overall national ratio. Among OBC students, who constitute 36.34% of the total number of students, 50.83% are male.

In the minority category, data on Muslims were collected separately. The survey found that 5.23% students belong to Muslim minority and 2.32% to other minority communities. Among Muslims, there are more male students than female, whereas among other minorities, there are more female students than male.

STATES WITH HIGHEST ENROLMENT

State	Male students	Male %	Female students	Female %
Uttar Pradesh	31,89,520	49.30%	32,79,847	50.70%
Maharashtra	23,24,424	54.95%	19,05,902	45.05%
Tamil Nadu	17,36,870	50.87%	16,77,326	49.13%
West Bengal	10,56,511	50.37%	10,40,899	49.63%
Rajasthan	10,82,466	51.93%	10,01,947	48.07%
Karnataka	9,93,417	49.96%	9,95,077	50.04%

GENDER DISTRIBUTION BY CATEGORY

Category	Students	Male	Female
Scheduled Castes	55,67,078	50.94%	49.06%
Scheduled Tribes	2,067,748	50.88%	49.12%
OBCs	1,35,91,994	50.83%	49.17%
Muslims	19,59,004	50.71%	49.29%
Other minorities	8,68,100	45.75%	54.25%
Persons with disability	85,877	56.14%	43.86%

Source: AISHE 2018-19

SIMPLY PUT

The debate over status of Hindi

Many of today's assertions and apprehensions about the alleged imposition of Hindi over the rest of India were also heard in the Constituent Assembly, which discussed this question over seven decades ago

UDIT MISRA
 NEW DELHI, SEPTEMBER 23

HOME MINISTER Amit Shah's Hindi Diwas (September 14) call for "one language" for all of India triggered protests. Shah said that while it was natural to have a difference of opinion on the official language of a Union as diverse as India, the founding fathers of the Constitution had evaluated all arguments in the Constituent Assembly and agreed unanimously to have Hindi as the "Raj Bhasha".

It was almost exactly 70 years ago, between September 12 and September 14, 1949, that the Constituent Assembly of India discussed the language question.

President Rajendra Prasad underlined the great importance and sensitivity of the debate: "Even if we (get) a proposition passed by majority, if it does not meet with the approval of any considerable section of people... the implementation of the Constitution will become a most difficult problem".

These are edited excerpts of what some of the members of the Constituent Assembly said. Many of their arguments are echoed in India even today.

N GOPALASWAMI AYYANGAR presented the initial draft and the first amendment. It said Hindi in Devanagari script should be the official language, but English should be used for at least 15 years.

SETH GOVIND DAS argued that Hindi should replace English at the earliest. "Democracy can only function when majority opinion is honoured... We have accepted our country to be a secular State but we never thought that that acceptance implied the acceptance of the continued existence of heterogeneous cultures... We do not want it to be said that there are two cultures here."

NAZIRUDDIN AHMAD, by contrast, cautioned: "We should not make a declaration of an All India language all at once. English should continue... till a time when an All India language is evolved, which will be capable of expressing the thoughts and ideas on various subjects, scientific, mathematical, literary, historical, philosophical, political..."

MOHD HIFZUR RAHMAN argued for replacing Hindi with Hindustani, the language that Mahatma Gandhi favoured. The clamour for Hindi was "the reaction of the Partition" — "in this state of grief and anger... they are showing their narrow-mindedness against a particular community. They want to settle the language question in the atmosphere of political bigotry..."

R V DHULEKAR presented a forceful



Jawaharlal Nehru and some other members of the Constituent Assembly of India during one of the early sittings of the Assembly. Archive

counter-argument: "...I belong to Indian nation, the Hindi Nation, the Hindu Nation, the Hindustani Nation. I do not know why you say it is not the National Language. I shudder at the idea that our universities, schools and colleges, and our scientists should, even after the attainment of Swaraj, have to continue to work in the English language..."

FRANK ANTHONY cautioned that the Hindi that was being imposed was very different from the one that common people spoke. "In this present fanatical movement a new kind of Hindi which is unintelligible to the Hindi speaking Hindu in the street... a highly Sanskritised Hindi will be imposed..."

QAZI SYED KARIMUDDIN pitched for Hindustani: "Why you are denying the Muslims their rights by banning Urdu script? You have got a majority so you are trying to ban it completely — to finish it... Only that language in which both Hindus and Muslims easily express themselves, i.e. Hindustani, should be made the national language..."

LAKSHMINARAYAN SAHU argued for Hindi being made the national language. "I can also claim the same status for Oria, which is far more ancient than Bengali... Some people are so much enamoured of English that they think they would lose their very existence if English is not used as the official language..."

N V GADGIL on the other hand, said Sanskrit should be the national language, and English should be retained "for at least one century more". Hindi, he said, is a provincial

language; "there are languages in which literature is far more rich, and yet we have accepted Hindi as the national language".

T A RAMALINGAM CHETTIAR said this "very difficult question... probably means life and death for the South". He had "great admiration for the Hindi people", but "they will have to realise that we too may have some patriotism and love for our language, for our literature...", and Hindi "is no more national to us than English or any other language".

SATISH CHANDRA SAMANTA said Bengali should be the national language because, among other things, it was the language of *Bande Mataram*, the poem that inspired the freedom struggle.

SYAMA PRASAD MOOKERJEE said he did not share the view of those who speak of the day "when India shall have one language and one language only". "Unity in diversity is India's keynote and must be achieved by a process of understanding and consent, and for that a proper atmosphere has to be created." If "the protagonists of Hindi had not been perhaps so aggressive in their demands and enforcement of Hindi, they would have got perhaps more than what they expected, by spontaneous and willing co-operation of the entire population of India".

Mookerjee said that for Hindi to "really occupy an All-India position and not merely replace English for certain official purposes" it must be made "worthy of that position" by allowing it to "absorb by natural process words and idioms not only from Sanskrit but

also from other sister languages of India..."

JAWAHARLAL NEHRU recalled Gandhi's views on this question. One, "while English is a great language (that) has done us a lot of good, no nation can become great on the basis of a foreign language". Two, the chosen language should be "more or less a language of the people, not a language of a learned coterie". And three, "this language should represent the composite culture of India".

Nehru, however, cautioned against imposing Hindi on all of India's peoples. In the speeches of "the enthusiasts for Hindi", he said, he had detected "a tone of authoritarianism, very much a tone of the Hindi-speaking area being the centre of things in India, the centre of gravity, and others being just the fringes of India". This, Nehru said, was "not only an incorrect approach, but... a dangerous approach".

PANDIT RAVI SHANKAR SHUKLA of the Central Provinces and Berar argued that Hindi is prevalent "almost everywhere", and should "be made the common language throughout India". He advised "friends from the South" to "learn Hindi as early as possible".

G DURGABAI of Madras expressed "shock" at the way Hindi in Devanagari script was being pushed. Giving "a national character to what is purely a provincial language is responsible for embittering the feelings of the non-Hindi speaking people", she said.

SHANKARRAO DEO of Bombay warned that "one culture" has "dangerous implications". "The Chief of the RSS appeals in the name of culture. Some Congressmen also appeal in the name of culture. Nobody tells us what exactly this word 'culture' means. Today, as it is interpreted and understood, it only means the domination of the few over the many... To me it means the killing of the soul of India." India stood for "vividhata", Deo said.

MAULANA ABUL KALAM AZAD expressed disappointment that the Congress had given up its consensus on Hindustani: "It was this narrow-mindedness... which had buried the glory and advancement of ancient India in the darkness of gloom... Of all the arguments employed against Hindustani, greatest emphasis has been laid on the point that if Hindustani is accepted then Urdu also will have to be accommodated. But Urdu is one of the Indian Languages. It was born and bred and brought up in India and it is the mother tongue of millions of Hindus and Muslims of this country."

(WITH SHYAMLAL YADAV)

Longer version of the Constituent Assembly debate on www.indianexpress.com

How AWS lets users keep data within India

SHRUTI DHAPOLA
 NEW DELHI, SEPTEMBER 23

AS INDIA starts conversations on whether companies should keep more of their critical data within India, companies like Amazon Web Services (AWS) have started offering the option of choosing to keep the data within the boundaries of India. A number of private companies, public sector institutions and even state governments have started opting for this.

But how does Amazon Web Services, the world's leading vendor of public cloud services, manage its data centres spread across the world?

To start with, it divides its services into its 22 regions around the world, one of which is Mumbai. Within each region, AWS has

multiple availability zones, each basically a collection of one or more data centres. Overall, a region is a collection of three or more availability zones — Amazon does not share the number of data centres around Mumbai.

"In India, we have three availability zones. We ensure that each availability zone is independently fault tolerant," Manav Sehgal, head of solutions architecture at Amazon Web Services, explained to *The Indian Express*. Within the availability zone, AWS ensures that risks like floods are taken into consideration. So if one data centre faces any risk of flooding, the other should have lower risk of flooding. Each availability zone is connected with a very



Getty Images

high speed 'dark fibre' connectivity.

Where are these data centres?

"We don't share exact location. Even I don't know the exact location," said Sehgal,

explaining how Amazon follows the "principle of least privilege", of the "first principle of security". "So if I, as a senior executive, don't need to know where my data centre is, I should not know. If we tell everyone where the data centres are, then that becomes a threat for all our customers," he said.

Can the customer choose where to keep data?

The customer gets the choice to store data within India or choose to move it outside. This can be done from the AWS console itself by selecting the region. "Customers for whom data sovereignty or data residency within India is important, like government customers, keep it in the Mumbai region," Sehgal said.

First in pollution control: how Surat industries will trade particulate matter

AVINASH NAIR
 SURAT, SEPTEMBER 23

LAST WEEK, the Gujarat government launched what is being described as the world's first market for trading in particulate matter emissions. While trading mechanisms for pollution control do exist in many parts of the world, none of them is for particulate matter emissions. For example, the CDM (carbon development mechanism) under the Kyoto Protocol allows trade in 'carbon credits'; the European Union's Emission Trading System is for greenhouse gas emission; and India has a scheme run by the Bureau of Energy Efficiency that enables trading in energy units.

How will the Gujarat scheme work?

Launched in Surat, the Emissions Trading Scheme (ETS) is a regulatory tool that is aimed at reducing the pollution load in an area and at the same time minimising the cost of compliance for the industry. ETS is a market in which the traded commodity is particulate matter emissions. The Gujarat Pollution Control Board (GPCB) sets a cap

on the total emission load from all industries. Various industries can buy and sell the ability to emit particulate matter, by trading permits (in kilograms) under this cap. For this reason, ETS is also called a cap-and-trade market.

How many industrial units are participating in ETS?

Live trading began last Tuesday, with 88 industries taking part in the first round out of 155 that have joined ETS so far. Emission permits worth Rs 2.78 lakh were traded. These industries are from sectors including textiles, chemicals and sugar, and spread over an area of 50-30 sq km. These industries use either coal or bagasse (residue after juice is extracted from sugarcane) as fuel, thus emitting a high amount of ash. The participants were selected on the basis of the size of their chimneys — those with a diameter of 24 inches or more. "So most of the participants are larger players," said N M Tabhani, member secretary of GPCB.

Why was Surat chosen for the scheme?

In the last five years, the quality of air in Surat has deteriorated. In 2013, when the

project was conceptualised, the PM10 level at Air India Building in Surat was 86 micrograms per cubic metre. According to GPCB annual reports, pollution levels have increased between 120-220 per cent, with PM10 in 2018 reaching 189 µg/cu. m at Air India Building, 282 µg/cu. m at Sachin Industrial Estate and 261 µg/cu. m at Garden Silk Mills. Surat was chosen because its industrial associations agreed to run the pilot scheme, said officials associated with the project. Also, industries in Surat had already installed Continuous Emission Monitoring Systems, which makes it possible to estimate the mass of particulate matter being released.

How does the trading take place?

At the beginning of every one-month compliance period (during which one emission permit is valid), 80 per cent of the total cap of 280 tonnes for that period is distributed free to all participant units. These permits are allocated based on an industry's emission sources (boilers, heaters, generators) as this determines the amount of particulate matter emitted. GPCB will offer the remaining 20 per cent of the permits during

the first auction of the compliance period, at a floor price of Rs 5 per kilogram. Participating units may buy and sell permits among each other during the period. The price is not allowed to cross a ceiling of Rs 100 per kilogram or fall below Rs 5 per kg, both of which may be adjusted after a review. On Tuesday, GPCB put out 55,993 permits, of which 55,614 were traded.

How are the auctions conducted?

These take place on the ETS-PM trading platform hosted by the National Commodities and Derivatives Exchange e-Markets Limited (NeML). All participants must register a trading account with NeML. Transactions are linked to the bank accounts of the users, who can view updates through these accounts.

There are two types of auctions. In the Uniform Price Auction every Tuesday between 3 and 5 pm, the week's permit price is discovered by participating members through bidding. Second, there is a continuous market between Wednesday and Monday (2 pm to 5 pm) where members will buy and sell permits whose prices were fixed on Tuesday.

For a true-up period of 2-7 days before the completion of the compliance period, units may continue to buy and sell any remaining permits at the final auction price to meet their compliance obligations.

How will ETS help reduce emissions?

"Industries in this area are emitting way above [the cap] at 362 tonnes per month. To bring them down to 280 will be a huge reduction. In the future this cap may be reduced below 280 tonnes," said Gargi Goswami, a research associate at Abdul Latif Jameel Poverty Action Lab (J-PAL) with its global office at Massachusetts Institute of Technology, J-PAL, along with Energy Policy Institute at the University of Chicago in India, and NeML and South Gujarat Textile Processors Association are partners in the ETS project.

"These permits are not a way to allow industries to keep polluting. Purchasing permits is only an interim measure for many of these units who find it financially difficult to install air pollution control measures. In other words it helps you buy some time and make investments later. So the idea of this scheme is also to make sure that some units

realise that it is cheaper to install APCM and reduce emissions rather than buy permits at a higher cost that will vary due to the bidding process," Goswami said.

Will there be a punitive action for non-compliance?

Based on permits held by units at the close of the compliance and true-up periods, units will be declared compliant or non-compliant. An environmental damage compensation at Rs 200/kg will be imposed for emissions in excess of a unit's permit holdings at the end of the compliance period. This amount will be deducted from an environmental damage compensation deposit that each unit has to submit before the start of the scheme — Rs 2 lakh for small units, Rs 3 lakh for medium ones and Rs 10 lakh for large units. After any deduction, a unit will have to deposit extra money to meet that shortfall.

To prevent any participant from hoarding permits, an upper limit has been set — 1.5 times the initial allocation for the compliance period, or 3 per cent of the market cap for the compliance period. Also, no unit may sell more than 90 per cent of its initial allocation.



The Indian EXPRESS

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BECAUSE THE TRUTH INVOLVES US ALL

BROTHERS IN ARMS

For PM Modi, President Trump, Indian-American community is an important constituency and a diplomatic bridge

ENGAGING ACTIVELY WITH the Indian diaspora has been a hallmark of Prime Minister Narendra Modi's foreign policy, and the BJP's ideology, since 2014. In almost every official foreign trip, PM Modi has interacted with the local Indian community. The event in Houston on Sunday was significantly larger than the others of its kind, including the two previous such interactions in the US. And while the diaspora has thrived across the globe, they are much better integrated in the English-speaking world. The US, as a nation of immigrants, has more readily embraced talented Indians and at the same time, the organisation and mobilisation of hyphenated Americans is quite common. But even given this context, there is a great significance to the "Howdy Modi" event. The audience at the NRG stadium — 50,000 strong — was the largest any foreign leader has drawn other than the Pope. The PM displayed his ability to connect with an audience, to speak of India to Indians abroad. And it is the first time an American president has joined a visiting leader at a diaspora event. As one of the wealthiest and fastest-growing minorities in the US, Indian-Americans are increasingly influential in US society and politics. And as a group drawn from the Indian middle classes, they are an important bridge to the US for India.

For Modi, there is a tactical calculus behind the event. The grand show is a way of mobilising the diaspora for India's national development as well as a vehicle to further New Delhi's diplomatic goals. The aim also appears to be to generate support outside the country for the PM's political moves and those of his party, such as the erosion of Jammu and Kashmir's special status, its bifurcation and downgrading to a Union Territory. For Trump, who is running for re-election, the event was about reaching out to the large Indian-American community. This convergence of interests of the two leaders is being framed as a celebration of the Indo-US relationship and as a basis for expanding common ground and overcoming thorny bilateral issues like the trade imbalance.

However, the bonhomie between the President and the Prime Minister did not hide some of the downsides that emerged from the event. Modi seemed close to crossing the red line on intervening in US domestic politics when he nearly endorsed Trump's re-election — "ab ki baar, Trump sarkar," he said. He was also unable to resist the temptation of criticising Pakistan, albeit indirectly. On the other hand, while Trump talked of combating radical Islamic terrorism and India's border security, New Delhi cannot ignore Trump's recent outreach to Imran Khan. President Trump continues to have a stake in the development of the US-Pakistan relationship and the outcome of his meeting with Khan in New York may not necessarily please Modi. On a positive note, the prime minister's decision to highlight India's pluralism as an intrinsic part of its identity is a welcome assertion, given that Home Minister Amit Shah's statements on immigration and language policy recently engendered widespread fears of India's monochromatisation under the present government.

EYE ON REVENUE

Rationalisation and simplification of GST may have to wait following the corporate tax cuts

THE GST COUNCIL meeting in Goa last week was overshadowed by the finance minister's announcement of a steep cut in corporate tax and a few other changes in direct taxes to counter the slowdown and to revive business sentiment. The corporate tax break naturally eliminated the chance of a cut in GST rates sought by the automobile industry, now facing its worst slump in decades, and the FMCG sector. The fitment committee with representatives from both states and the Centre was not convinced by the industry's arguments and chose to reject their demand considering the revenue implications.

Given the state of the economy and below par revenue collections, rate cuts by the GST Council were modest this time with the lowering of tariffs for hotel rooms and outdoor catering, to provide a boost to the tourism industry, rate cuts on precious and semi-precious stones besides zero tax on jewellery exports and a hike in caffeinated beverages. But over two years after the introduction of GST, there is much to worry for both the Union government and states. System-related issues still persist, reflected in the absence verification of statements of sales and purchases or invoice matching and leading to claims of huge input tax credit set offs and charges of shell companies being formed to beat the taxman. The delay in unveiling a revised return and a relatively softer enforcement mechanism in many states could be costly in terms of maximisation of revenues. The other major concern now is the grand bargain of a compensation to states spread over five years to persuade them to buy into the new regime. With the growth slowdown, what that implies is pressure on the Centre to ensure that the compensation cess and funds are adequate.

In the current scenario, it is clear that states will not accept any suggestion to lower the compensation structure, especially after last week's direct tax cuts amounting to Rs 1.45 lakh crore. The tax cuts impact states too since it will eat into their share of the tax pool. What all these signal is that the wait for rationalisation of rates or a simplified two or three tier structure may have to be longer.

PACKING A PUNCH

Amit Panghal's historic World Championship silver points to a new spring in Indian boxing

AFTER DECADES SPENT looking through the ropes from the ringside, Indian boxing announced itself to the Olympics with a stinging 1-2 combination. Vijender Singh opened country's account with a bronze in Beijing, Mary Kom followed suit with one at London. Then came a body blow. The national body was suspended, and Indian boxing keeled over. During an Olympic cycle when the breakout performances should've bred more contenders, the sport floundered. After the nadir of a disastrous campaign in Rio, the formation of the Boxing Federation of India (BFI) in 2016 has brought about a revival, the latest chapter of which is Amit Panghal's historic World Championship silver, the first for an Indian in the men's category.

The revival, however, is about more than just the medals. The health of Indian boxing can be gauged by the talent pool, especially in the men's section. Another indicator is the large net being cast. The Bhiwani Boxing Club served as a conveyor belt for long, but the sport has moved beyond Haryana. Along with the Northeastern states, it remains the cradle, but pockets are opening up in Maharashtra, Uttarakhand and Himachal Pradesh. The Services team deserves credit as well for shaping six of the eight boxers who competed at the Worlds in Russia. State-of-the-art training facilities such as the Army Sports Institute in Pune and competent coaches are further bringing India on par with several powerhouse.

But the Worlds is not enough. Glory remains reserved for Olympic medalists, and the ultimate test will be in Tokyo next year. India's Olympic plans have again been dented, the culprit this time being the suspended world body, and the postponed qualifiers. Not all is well in the federation too, issues owing to India's sporting culture. The image-conscious stars are still protected, and occasional lack of transparency is frustrating. Next month's World Championships could also be the reality check for women. One thing though is for certain: This is not a false dawn.

Houston, we have a spectacle



PRATAP BHANU MEHTA

Modi-Trump event is a window to the politics of our times: They have sold the thrill of power and prejudice

THE MODI-TRUMP spectacle at Houston is a window to the politics of our times. Such a spectacle has its ethical dangers. But in purely political terms, it cannot be judged by our conventional categories. We can worry about whether the claims made so resoundingly by Narendra Modi and Donald Trump fit the reality on the ground. But politics is not about correspondence with truth; it is about tapping into anxieties and making people believe. We might believe that there are red lines where international politics should not get entangled with domestic partisanship. But those conventions were blurred even in the last US election, by Benjamin Netanyahu and Vladimir Putin. We might scream morality and human rights. But those have always been precarious things. Now there is such contempt for them that they are not even the currency of hypocrisy. Forget convention. Houston was about new forms of power. Modi's immediate goal was to show the world that India stands with him; and India that the US stands with it. Pakistan was cut to size. But, beyond immediate politics, Houston was also an expression of a larger politics. What are its elements?

Modi's political alchemy has always consisted of the fact that he does two things simultaneously. He projects leadership and resolve. But in his liturgy he also artfully stands in as the representative of the nation; he constantly produces that identification. For instance, in this narrative, the abrogation of Article 370 does not become an act of his government, it becomes the will of the Indian people which he carries. One can criticise a government. But who would dare indict the Indian people for their choices? These rallies in the overseas context make this identification between him and the nation easier.

The currency of power in modern politics does not come through sociological or economic determinism. Modi has always understood that social life is constituted by an ability to make the vicarious seem vivid and real. This is what he can do with nationalism. His gestures like speaking in different languages, his reminders that his schemes, however faulty, are directed at those who empower him reinforce his power. We can contest the facts, point the stark variance between a tottering economy and his high

blown rhetoric; we can be suspicious of his invocation of diversity. But he understands that the power of the image and the gesture far outlives the mundaneness of reality: What are the real sufferings of the few compared to vicarious thrills of the many? The abiding image of India's power that will matter politically will not be its trade statistics. It will be the Indian prime minister leading in taking the American president's hand and making him do a round in a homage to the power of the Indian community. We may decry this as illusory politics. But we still do not have a political vocabulary to disrupt this spectacle.

Modi is not shy of thinking of the diaspora as a possible unified force in world politics. There is a curious irony here: While so many Indians used to worry that membership in assorted transnational communities like the umma are a threat to the nation state, Hindu nationalism sees ethnicity as a fundamental transnational force, an identification that survives the partitions of nationality and citizenship. At this geopolitical juncture, there is the belief that transnational ethnic identification does not conflict with national citizenship. So, an assertive celebration of trans-ethnic identification in this form is not seen as jeopardising the claims of citizenship.

In the case of the Indian diaspora in America, this is made easier by the India-US alignment. For the last decade or so, there has been the belief that India and the US are in the following relationship: They will often have tough transactional issues to negotiate, from trade to Iran. But the fundamental dynamics of the relationship now converge to a deep alignment, especially on security and defence matters. There is the contingent alignment in the fact that both Trump and Modi have contempt for open societies and freedom. There was something chilling about the triumphalism of the moment of an alliance against Islamic extremism, shorn of any geopolitical nuance. It signalled less a resolve to tackle a real problem effectively, and more a determination to find an enemy against whom to consolidate identity, with a crowd cheering on.

But the fundamental dynamic of the Indian relationship transcends political parties. It has grown deeper by the fact that cur-

rently there is a bipartisan consensus on the gravity of the China challenge. What the India-US bonhomie does vis-à-vis China is an open question. India's hope has always been that alignment with the US does not close more doors with China; in fact, it leverages them open. But these waters will be tested now. But Houston was the most spectacularly public and visible ideological affirmation of that alignment. There are no China doves left in Washington. At least in relation to the US, this gives India a lot of head room. It probably underlies the confidence that even if the rally seems to shade into a partisan endorsement of Trump, it will have no implications for relationships with the Democrats.

How will this play out in US domestic politics? That will depend on two things. India has sold the narrative that Kashmir has been in dire straits for the last 70 years. Even if there is a short-term crackdown, the long-term consequence will be much improved conditions for Kashmiris. But this promise is yet to be redeemed. All the signs are that it will not be. Second, we are probably underestimating the "Leftward" turn in American politics, especially in Congress. Unlike in India, where the Right has now produced total dominance, US politics is more deeply contested, and the negative effects of throwing a lot with a manifest endorsement of Trump are not entirely trivial.

But while these concerns are valid, the lead up to the Houston event demonstrated the one advantage, Modi and even Trump have. They are not constrained, literally, by anything. A few months ago, the press was full of their lack of personal chemistry. Now, they are ideological blood brothers. On the economy, Modi can change policy tack with alacrity to change the narrative. That gives them the confidence that there is always a next move, a next spectacle available to them. They play politics spectacularly, in an emotion that elevates those who participate. They have sold the thrill of power and prejudice over the sweetness of freedom and openness. And at the moment we are buying it.

The writer is contributing editor, The Indian Express

A LEGACY OF SERVICE

B N Yugandhar was anti-hierarchical, an inspiration to young bureaucrats



MALOVIKA PAWAR

"YOU KNOW, looking back, you will not remember who the cabinet secretary was when you were a young officer, but you will always remember who your director was at the Academy." As I woke up to the sad news that B N Yugandhar is no more, I saw the truth in his words — born out of his two long stints at the Lal Bahadur Shastri National Academy of Administration, Mussoorie, where he was responsible for training probationers and preparing them for the challenges that lay ahead.

For me, the loss feels very personal. I worked with him as a young officer, when he was Secretary, Rural Development, and, later in the PMO, when he was secretary to two PMs — P V Narasimha Rao and H D Deve Gowda.

His was a life of inveterate do-gooding, and being in a position of great power in the PMO meant that he could push initiatives faster and further. To this end, he selected his foot soldiers well — young officers eager to deliver outcomes. In the Ministry of Rural Development (MoRD), he selected seven of us from the 1982 batch of the IAS. "My '82 Mafia," he called us.

Yugandhar could be a demanding boss. On my first day at the PMO, he said: "Here, we expect zero-error notes. After all, these are briefing notes for the PM. The staff is only there to physically hand over the related pa-

pers. You initiate the note, you do the research, you talk to the ministries. Remember: A zero-error note".

While being the kindest of men, he did not suffer fools lightly. His default manner of talking was acerbic, laced with sarcasm and humour. He was a sharp dresser, fond of his Arrow shirts, and enjoyed chilled beer at the IIC. About his heavy smoking, he would cough, rasp and then chuckle, as he said: "My doctor says that given my life-long smoking, I am statistically dead!"

Yugandhar was a prolific reader and his taste was eclectic. In the PMO, he kept a copy of Marcus Aurelius' *Meditations* on his desk and read a few pages in between meetings. He waxed lyrical about Gopinath Mohanty's *Paraja* and advised me to read this haunting story of the decline in fortune of a tribesman of the Paraja tribe in the hills of Orissa.

You might wonder how a director with merely 14 years in the service could have this kind of access to an officer of his seniority and stature. This was because he was fundamentally unconcerned about status, rank or seniority. He was a man of blunt opinions, and he appreciated this in others. I always found him to be determinedly anti-hierarchical.

Many may not know that the National Social Assistance Programme, launched in 1995 as India's umbrella programme for

National Old Age Pensions, the Widow and Disability Pension in addition to other benefits, was very much Yugandhar's idea and initiative. While making a passionate case for protective social security for the poor, he would quote the late S Guhan, doyen of development studies in India: "For old-age pensions, I challenge anyone of you to give me an alternative. Can we do without pensions? Can we prevent old age?"

He once told me with infinite regret: "As a young officer, I was poor and couldn't do much for my parents. When I came back from my ESCAP posting (in Bangkok), I felt like a rich man. I wanted to buy things, buy curtains for my father's house. But by that time, he was too old. These things meant nothing to him. The moment had passed."

In 1994, while he was serving in the MoRD, I asked him about his son. He replied in an off-hand way: "Oh, he is one of Bill Gates' boys." Twenty years later, in 2014, as the news broke of his son's elevation to CEO of Microsoft, I wrote to congratulate him. He responded with a brief thanks. Nothing further was said.

So, it is goodbye to the man, but also to the world he moved in and the values he represented. It feels very much like a yuganta, his passing. Godspeed, sir.

The writer is a former IAS officer

SEPTEMBER 24, 1979, FORTY YEARS AGO



INDIA IMPROVES RANK
INDIA, DESPITE ITS problems, emerges in the latest annual report of the World Bank as a country which made solid gains in 1979 although the popular perception is that the Morarji Desai government took the country downhill. For the Indian economy, says the report, fiscal 1979 was another prosperous year. Overall economic growth is tentatively estimated at three to four per cent after seven per cent the year before. Four consecutive years of healthy growth have now occurred accompanied by a significant rise in per capita incomes. Total savings and fixed investments have also increased in relation to income, the report states.

EYE ON PSUS
PRIME MINISTER CHARAN Singh has asked his cabinet colleagues to closely monitor the public sector units and ensure that their profitability improves during the year. In a letter to his colleagues looking after the economy, steel, commerce, industry, transport and shipping ministries, Singh has said that the government is deeply concerned at the poor performance by many state-run units. He also stressed the need of their generating financial surpluses so that the fight against inflation can be more meaningfully carried forward. He urged that every public sector unit should put in extra efforts to improve their production and profitability.

LESS ASIANS IN UK
THE TORY GOVERNMENT appears determined to cut down drastically the number of Asians entitled to come and settle down in the UK as British citizens. A committee report, leaked by a section of the UK press, says that the number of Asian immigrants with British passports should be reduced from 20,000 to 4,000 each year. This means that those affected by the recommendations would include elderly parents and children over 18 who have not yet been allowed to come here. Husbands and fiancées of British women would also not automatically be allowed in. Restrictions would also be imposed on the labour who come here on yearly permit.

Leaning on the states

Defence is a national public good. It is the primary responsibility of the Centre



M GOVINDA RAO

THE AMENDMENT TO the terms of reference (TOR) issued to the Fifteenth Finance Commission asking it to examine "a separate mechanism for funding of defence and internal security ought to be set up and if so, how such a mechanism could be operationalised," has triggered some suggestions on the need to have a relook at the assignment system and redesign of centrally sponsored schemes (CSS). In an interesting article, Bibek Debroy (IE, September 22) rightly states that the Seventh Schedule is not cast in stone and that if the Union government is required to contribute to CSS in the State List, why should states not contribute to items in the Union List like defence. He also states that any restructuring/rationalisation of the CSS requires a relook at the Seventh Schedule and that this must be done with consultation with the states in an appropriate forum. These suggestions are important and need to be discussed in some detail.

Clearly, the Constitution (except fundamental rights) and, more particularly, the Seventh Schedule is not cast in stone. There have been as many as 103 amendments so far including a few in the Seventh Schedule. In fact, Article 368 provides for the amendment by introducing the bill in either house and passing it with a majority of the total membership of the house and at least two-thirds of members present and voting. In addition, changes in Seventh Schedule requires ratification of the amendment by the legislatures of at least one-half of the states. In fact, the 42nd amendment actually transferred five subjects from the State List to the Concurrent List which are: (a) Education; (b) forests; (c) weights and measures; (d) protection of wild animals and birds and (e) administration of justice; constitution and organisation of all courts except the Supreme Court and the High Court.

The constitutional assignments between the central and subnational governments in federations are done broadly on the basis of their respective comparative advantage. The provision of national public goods is in the federal domain and those with the state-level public service span are assigned to the states as the latter are assumed to have comparative advantage in providing these services according to the varied preferences of the people. The transaction cost of providing state level public services at the central level is higher than scale economies. In addition, there are meritorious public services with inter-state spillovers and their efficient provision requires subsidisation. Thus, while the provision of public services is mandated at subnational levels, financing is done either fully or partially by the Centre to ensure that a minimum standard of such services are provided across the country.

In the Indian context, for this reason, there are central sector and centrally-sponsored schemes. In the case of the former, funding is entirely by the Centre and states are merely implementing agencies. The CSS is a shared cost programme and is meant to ensure a minimum standard of service across the country. In fact, many of the schemes are introduced by the Centre on subjects in the State List ostensibly for their externalities but also to have a direct appeal



CR Sasikumar

to the electorate. Not surprisingly, several schemes were introduced and they are now restructured into 28 umbrella schemes classified into "core of the core", "core" and "optional" with states' contribution fixed at 30 per cent, 40 per cent and 50 per cent respectively for non-special category states. In principle, these schemes have expiry dates, but going by past experience, they are never folded up and always get repackaged. In fact, each of the schemes has multiple objectives and service delivery standards are not clearly defined. Under the Sarva Shiksha Abhiyan, for example, there are 42 interventions and states are required to prepare their budgets for each intervention with little flexibility and any change in the allocations between these heads would have to be approved by the Project Appraisal Board chaired by the Union HRD Secretary.

In principle, there should be consultations with states in designing the schemes, but this is hardly done. The classic example is the health insurance scheme announced by the prime minister from the ramparts of the Red Fort in his Independence Day speech in 2018 which evolved into "Ayushman Bharat", requiring non-special category states to share 40 per cent of the cost. Of course, in principle, they can opt out, but only at a huge political cost. In fact, most schemes create permanent liabilities and do not have an effective expiry date.

In fact, the Finance Commissions are aware of the need for specific purpose transfers to ensure minimum standards of meritorious services and leave some fiscal space to the Centre to undertake CSS. Thus, the Fourteenth Finance Commission, while concluding that there is a compelling case for reforming the existing system of fiscal transfers stated, "In our view, the Union government should continue to have fiscal space to provide grants for functions that are broadly in the nature of 'overlapping functions' and for area-specific interventions."

Can states pay for defraying expenditure on items in the Union List? In fact, Article 282 has this provision when it states, "The Union or a State may make any grants for any public purpose, notwithstanding that the purpose is not one with respect to which

Can states pay for defraying expenditure on items in the Union List? In fact, Article 282 has this provision when it states, "The Union or a State may make any grants for any public purpose, notwithstanding that the purpose is not one with respect to which Parliament or the Legislature of the State, as the case may be, may make laws". However, the important question is that should the states be asked to pay for defence?

Parliament or the Legislature of the State, as the case may be, may make laws". However, the important question is that should the states be asked to pay for defence?

Here, there are two specific reasons why they should not. First, defence is a national public good and keeping in view the principle that the beneficiaries of services should pay for it, it becomes the primary responsibility of the Centre to defray the cost of protecting all the people of the nation. Second, given the fact that the assigned expenditure responsibilities of the states are much larger than their revenue potential, the Constitution provides for the sharing of taxes collected by the Centre and making grants to them from the consolidated fund of the Centre based on the recommendations of the Finance Commission. The Finance Commission is supposed to take into account the capacities and needs of the Union and different states in making recommendations and the Centre's need includes the requirements for defence of the country. The TOR of the Fifteenth Finance Commission, for example, emphasises that it should have "...regard, among other considerations, to the demand on the resources of the Central government particularly on account of defence, internal security..."

Thus, once the commission makes recommendations after assessing the requirements including those for defence, the responsibility for defraying the expense falls on the Centre. The states simply do not have the resources to spend beyond the subjects in their domain because the Finance Commission will not provide for it in its assessment.

Indeed, there is a need to reform the CSS. There should be consultations in formulating, designing and closing them down. "The one-size-fits-all" approach cannot succeed in a large and diverse country like India. As the schemes are implemented by states, they should have substantial flexibility to ensure that the schemes benefit the targeted groups. While these are important, it is not clear how a relook at the Seventh Schedule would achieve this objective.

The writer is adviser, Centre for Public Policy, IIM, Bangalore. Views are personal

WHAT THE OTHERS SAY

"It is believed Chinese people will combine confidence, cheerfulness and rationality together and make this year's National Day an unforgettable one in PRC history."

— GLOBAL TIMES, CHINA

Beyond Modi-Trump chemistry

India and the US need to address the vexed issues in trade. This will prepare New Delhi for profound changes in global economic order



BY C RAJA MOHAN

AT THE HOUSTON spectacle on Sunday that bought together an enthusiastic Indian diaspora, the personal chemistry between Prime Minister Narendra Modi and US President Donald Trump was all too evident. But the celebrations at Texas must yield tangible outcomes at New York where the two leaders are set to meet again today on the margins of the United Nations General Assembly's annual session.

According to media reports, Modi and Trump are apparently racing to wrap up the negotiations on trade that have been underway for some time. The speculation is about a "small deal" between the two countries. Yet, the two leaders also know that they need to look beyond the tactical and signal a change of direction in bilateral commercial engagement and set ambitious trade targets for the near and medium term.

In diplomacy, personal rapport and trust between the leaders is quite valuable. Although the leaders themselves might not negotiate the details of agreements, they need to communicate their respective interests to each other and signal the political will to overcome domestic obstacles.

Even more important is the recognition of your interlocutor's priorities. When you address the other leader's most important concern and give him or her room to claim victory, you will get a lot more in return. In the last two decades, the success of India's engagement with the US has been rooted in Delhi's sensible judgement about the immediate focus of the other leader.

It is easily forgotten that the then External Affairs Minister Jaswant Singh offered quick unilateral support in May 2001 when US President George W Bush's announced an initiative to build missile defences and move away from the doctrine of deterrence through nuclear terror. While Bush was being pilloried at home and abroad for overturning arms control orthodoxy, Delhi's support was more than welcome in Washington. This was followed by Atal Bihari Vajpayee's strong support for Bush's war on terror immediately after 9/11 and set the stage for a political and strategic approach to the Indo-US relationship that was hobbled for decades by disputes over nuclear issues.

Delhi's new political warmth to America saw Bush extend unprecedented support for India's rise and nudge a reluctant US establishment to invest much political capital in changing the US domestic nonproliferation laws as well as international regulations to lift a long-standing nuclear blockade against India. While the UPA government wavered in taking the nuclear deal forward, Bush stayed the course thanks to his strong empathy for India.

The resolution of the nuclear issue created the basis for a productive partnership with the US that saw liberalisation of US technology transfers, the launch of counter-terror cooperation, the expansion of defence rela-

tionship and political cooperation on regional and global issues. If Jaswant Singh and Vajpayee recognised what mattered for Bush, Modi saw that addressing climate change was President Barack Obama's highest priority. Modi, who had sensible climate convictions of his own, quickly reoriented India's policy to make Delhi part of the solution in the stalled international negotiations on mitigating global warming. When he was a senator, Obama had expressed serious reservations about the nuclear deal. Once he saw Modi as a partner, Obama helped finalise the nuclear agreement and integrate India into the global nonproliferation regimes.

On the nuclear issue as well as climate change, there was strong resistance within the Indian system from two different quarters — those who picked nits and others who turned every engagement with America into a supreme test of India's commitment to non-alignment. The nit pickers were mostly from the bureaucracy that refused to see the larger gains accruing to India. The political class revelled in denouncing any change in India's long outmoded negotiating positions.

When Trump took charge of the White House in January 2017, Modi and his advisers did not take long to see the president would be very different from his predecessors and that he was going to alter many long-standing American policies. While Modi recognised the centrality Trump's trade concerns, the PM's initial responses did not seem adequate.

More consequentially, Modi did not devote enough political attention to the emerging challenges on the trade front. He seemed to let the nit pickers lead the trade negotiation. India's prickly attitude to trade liberalisation that congealed in recent years put it at odds with its major trading partners. While most of them had given up on India, Trump made it a bone of contention. In his effusive speech on India-US relations, Trump did insist that the people of India must have "access to products stamped with the beautiful phrase Made in the USA". Put simply, market access has been the issue that has troubled the relationship in recent years. While referring to the difficulties in the bilateral trade negotiations and suggesting a deal might be at hand, Modi reassured Trump that he is learning from the President on the "art of the deal".

The PM is aware that cutting a trade deal with Trump, will make it a lot easier to deal with his administration on a range of issues including terrorism, Kashmir and the unfolding crisis in Afghanistan. But a trade agreement with the US is not just about immediate give and take between Modi and Trump. A new trade agreement must be about preparing India for profound changes in the global economic order, buffeted by Trump's politics as well as the unfolding technological disruption. Many of Trump's trade concerns in relation to India resonate with the left wing of the Democratic Party that is gaining ground. Getting India's most important trade relationship right in the near term and charting a bold course for a mutually beneficial commercial partnership with the US over the long term are urgent and worthy goals in themselves.

The writer is director, Institute of South Asian Studies, National University of Singapore and contributing editor on international affairs for The Indian Express



RANGIN PALLAV TRIPATHY

Lessons unlearnt

Linguistic policy should not be driven by a politics of identity

A STATEMENT BY Purushottam Das Tandon in 1949 neatly captures the major problem that saddles any discussion on linguistic policy in India — looking at language only as a marker of identity. Speaking at a public meeting, he declared: "Those who oppose acceptance of Hindi as national language and Nagari as the national script are following the policy of anti-national appeasement and are catering to communal aspirations."

The debate in the Constituent Assembly on language was marred by extreme positions. As Glanville Austin notes in *The Indian Constitution: The Cornerstone of a Nation*, while the moderates wanted the issue to be resolved by consensus, the extremists were willing to push through the imposition of Hindi even if they could secure a majority of one vote. That the Constitution does not speak of a "national language" was deliberate. Instead, the term "official language" was used in Article 343 as a tactical euphemism to avoid friction amongst different linguistic communities.

There were bitter contestations on the definition of Hindi and the sources of its vocabulary. Some leaders argued for new words to be coined from a Sanskrit base to deal with modern requirements instead of assimilating words from other languages. Ravi Shankar Shukla insisted that Hindi's source of learned terms can only be from Sanskrit. There was resentment against Urdu as an influence on

Hindi. The more popular term at that time, "Hindustani", stood for a confluence of linguistic and cultural influences from different traditions. However, the scars of Partition damaged the discourse on language. The compromises in this respect can be seen in the text of Article 351, which talks about the promotion of Hindi, mandating the state to promote Hindi so that it serves as a medium of expression for the "composite culture" of India. This appeased those uncomfortable with the imposition of a Sanskritised Hindi. On the other hand, Article 351 also mentions that Hindi shall draw its vocabulary primarily from Sanskrit. There were also a tussle on the official form of numerals to be used amongst "Arab Numerals", "Nagari Numerals" and "International Numerals", which finally led to a compromise in the expression "international form of Indian numerals" in Article 343.

The defining feature of the debate in the Constituent Assembly was merging the issue of language with that of national identity. At some level, this sentiment is understandable in the context of those times. India was gaining freedom after centuries of suppression and some leaders were eager to carve a national identity of a similar texture to that of the Eurocentric experiments of nation-states. English, being the language of the English colonialists, was not acceptable to many. Multilingualism was deemed incompatible with the fervour

of national unity. While the sentiment of forging a national identity may be laudable, language was a poor choice of medium for such a project in a multicultural society.

As a functional tool, language inherently serves a communicative function. It enables us to transfer knowledge and ideas, and serves to transmit cultural heritage and preserve historical memories. Multilingualism should be an aspirational value. This spirit of aspiration ought to inform the design of linguistic policies in multicultural societies. On average, we interact more frequently with people from diverse linguistic backgrounds than our ancestors. Language should be looked at as an important skill to operate in a world which is more connected today than at any other point in time. This is not to contend that our linguistic heritage should be neglected or trivialised.

The problem we faced at the time of drafting the Constitution, as we face even today, is that the approach towards linguistic policy seems to be driven more by the politics of identity than values of aspiration or accommodation. The primary argument in favour of Hindi has been reduced to assertions of slim majoritarianism. Even then, there are concerns about the claim based on mere numerical strength, as only 25 per cent of Indians seem to recognise Hindi as their mother tongue (Census 2011).

Language, used as a political weapon, can be divisive and chauvinistic. It can be used to create hierarchical identities and unequal power dynamics. When we look at languages primarily as markers of identities, we build barriers to acceptability. People begin to assert linguistic supremacy, resist learning a language which they perhaps would not have objected to otherwise.

It is essential to move the discussion away from the binaries of Hindi and non-Hindi camps. The issue which merits attention is the manner in which linguistic policies ought to be designed in a multicultural society. Should linguistic policy be built on chauvinistic underpinnings or on practical concerns? Should the country should have a single national language or multiple? How to select a national language from amongst the many that people speak? Should there should be a national language at all? What are the parameters for evolving an effective linguistic policy?

The linguistic diversity that India has to negotiate is without precedent. We started off on a wrong foot at the time of independence by confining language as an issue of identity. We must learn to avoid the same pitfalls which have damaged our polity so deeply.

The writer is a Fulbright post-doctoral research scholar at Harvard Law School

LETTERS TO THE EDITOR

TAX RELIEF

THIS REFERS TO the editorial, 'Booster shot' (IE, September 21). The slashing of the corporate tax rate from 30 to 22 per cent is indeed a booster shot. It is an invitation to more FDI as well as greater domestic investment. Loss-making public companies like Air India and BSNL must be privatised. There's no use in sustaining loss making companies at the cost of the exchequer. Besides, just as six airports have been handed over to the Adani Group for maintenance and upgradation, similar steps ought to be taken for the Railways. The government should also give tax relief to the poor and the middle class to boost the economy.

Sauro Dasgupta, Kolkata

FOR FARM'S SAKE

THIS REFERS TO the editorial, 'Let prices rise' (IE, September 23). The RBI and the government must avoid any temptation to contain food inflation because any boost to farm income will do two things. First, it will help the agriculture sector grow and second it will give a huge boost to the demand side of the economy. Rather than banning exports of essential items, it will do a great service to the sector if it improves the warehousing infrastructure as huge amount of food goes waste every year.

Bal Govind, Noida

LETTER OF THE WEEK AWARD

To encourage quality reader intervention, The Indian Express offers the Letter of the Week award. The letter adjudged the best for the week is published every Saturday. Letters may be e-mailed to editpage@expressindia.com or sent to The Indian Express, B-1/B, Sector 10, Noida-UP 201301. Letter writers should mention their postal address and phone number.

THE WINNER RECEIVES SELECT EXPRESS PUBLICATIONS

TOLERANT HINDUS

THIS REFERS TO the article, 'An inseparable destiny' (IE, September 23). Hinduism teaches us "Vasudhaiva Kutumbakam". Different communities in the country should live in harmony. Only then will "sabka saath sabka vikas" be possible.

Neha Yadav, Lucknow

